



U.S. Department
of Transportation
**National Highway
Traffic Safety
Administration**



DOT HS 807 428

August 1985

Final Report

Breed Air Bag Sled Testing Program Volume III

The United States Government does not endorse products or manufacturers. Trade or manufacturers' names appear only because they are considered essential to the object of this report.

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1985
v.3
c.2

Technical Report Documentation Page

1. Report No. DOT HS 807 428	2. Government Accession No.	3. Recipient's Catalog No.	
4. Title and Subtitle Breed Airbag Sled Testing Program, v. 3. VOLUME 111		5. Report Date August, 1985	
		6. Performing Organization Code NRD-21	
7. Author(s) Robert C. Esser		8. Performing Organization Report No. RD 384-4	
9. Performing Organization Name and Address National Highway Traffic Safety Administration Vehicle Research & Test Center P.O. Box 37 East Liberty, Ohio 43319		10. Work Unit No. (TRAIS)	
		11. Contract or Grant No.	
12. Sponsoring Agency Name and Address National Highway Traffic Safety Administration 400 Seventh Street, S.W. Washington, D.C. 20590		13. Type of Report and Period Covered FINAL 3/85 - 8/85	
		14. Sponsoring Agency Code	
15. Supplementary Notes			
16. Abstract Sled tests were performed using a driver-only airbag system in conjunction with various belting systems to determine injury criteria using 5th, 50th, and 95th percentile dummies.			
17. Key Words Airbag Sled Test		18. Distribution Statement Document is available to the public from the National Technical Information Service, Springfield, VA 22161	
19. Security Classif. (of this report)	20. Security Classif. (of this page)	21. No. of Pages	22. Price



Breed Airbag Sled Testing Program

RD 384-4

Volume III

Data Charts

29 - 42

TRC436P. RAD; 3
VRTC

RD384-4-29 BREED AIRBAG SLED PROGRAM
35.00 mph

16-MAY-85 16:09

85130

1	EVENT	Min value	Max value	Data Units	Filter
2	SLDXV	0.059 @	93.625	volt	ALPF 1650/ 5214/ -40
3	SLDXG	-38.290 @	125.250	mph	ALPF 100/ 316/ -40
4	HEDXG1	-25.822 @	56.875	g	BLPF 100/ 316/ -40
5	HEDYV1	-133.368 @	96.000	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-6.362 @	112.000	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-4.132 @	97.125	g	ALPF 1650/ 5214/ -40
8	CSTYV1	-42.777 @	85.625	g	BLPF 300/ 949/ -40
9	CSTZG1	-7.244 @	87.625	g	BLPF 300/ 949/ -40
10	PEVXG1	-10.844 @	79.125	g	BLPF 300/ 949/ -40
11	PEVYV1	-38.800 @	89.250	g	BLPF 300/ 949/ -40
12	PEVZG1	-3.528 @	60.250	g	BLPF 300/ 949/ -40
13	LFMF1	-37.982 @	88.375	g	BLPF 300/ 949/ -40
14	RFMF1	-390.525 @	41.250	lb	BLPF 1000/ 3162/ -40
15	LPBXG	-274.635 @	48.125	lb	BLPF 100/ 316/ -40
16	LPBYG	-25.571 @	60.000	g	BLPF 100/ 316/ -40
17	LPBZG	-5.751 @	96.000	g	BLPF 100/ 316/ -40
18	SHBF1	-3.281 @	92.375	g	BLPF 100/ 316/ -40
19	LBDF1	-0.106 @	-14.625	lb	BLPF 100/ 316/ -40
20	ABT3	-7.081 @	170.750	lb	BLPF 100/ 316/ -40
21	ABT4	-0.003 @	-7.500	volt	ALPF 1650/ 5214/ -40
		-3.337 @	146.875	volt	ALPF 1650/ 5214/ -40

TRC436IP. RAD; 1
VRTC

RD384-4-29 BREED AIRBAG SLED PROGRAM
35.00 mph

13-MAY-85 09:13

85130

1	HEDXV1	Min value	Max value	Data Units	Filter
2	HEDXD1	-36.265 @	220.000	mph	BLPF 300/ 949/ -40
3	CSTXV1	-43.132 @	220.000	in	BLPF 300/ 949/ -40
4	CSTXD1	-42.722 @	182.875	mph	BLPF 300/ 949/ -40
5	PEVXV1	-61.772 @	220.000	in	BLPF 300/ 949/ -40
6	PEVYV1	-32.050 @	124.250	mph	BLPF 300/ 949/ -40
7	PEVZV1	-52.779 @	220.000	in	BLPF 300/ 949/ -40
8	SLDXV1	-38.076 @	121.500	mph	BLPF 300/ 949/ -40
9	SLDXD1	-71.286 @	220.000	in	BLPF 300/ 949/ -40
10	LPBXV	-37.407 @	123.875	mph	BLPF 300/ 949/ -40
	LPBYV	-49.107 @	220.000	in	BLPF 300/ 949/ -40

TRC436RP. RAD; 1
VRTC

RD384-4-29 BREED AIRBAG SLED PROGRAM
35.00 mph

13-MAY-85 09:13

85130

1	HEDRG1	Min value	Max value	Data Units	Filter
2	CSTRG1	0.047 @	-14.625	g	ALPF 1650/ 5214/ -40
3	PEVRG1	0.032 @	0.000	g	BLPF 300/ 949/ -40
4	LPBRG	0.034 @	11.250	g	BLPF 300/ 949/ -40
		0.082 @	-3.750	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC436RP.RAD;1
VRTC RD384-4-29 BREED AIRBAG SLED PROGRAM
85130 35.00 mph

* * * HIC computation for HEDRG1 13-MAY-85 09:19
Using time range = 0.000 to 153.000 msec Peak accel = 135.39 @ 96.000
HIC = 389.99 Interval from 80.875 [808] to 138.875 [1272]
HIC = 272.20 Interval from 103.750 [991] to 118.750 [1111]

R SYSP:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC436RP
File TRC436RP -> 4 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-29 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 LPBRG

Enter channel name -> CSTRG1
[SLED.BREED]TRC436RP.RAD#1 VRTC RD384-4-29
BREED AIRBAG SLED PROGRAM 35.0 mph 85130 13-MAY-85 09:31:30
Deltax: 0.125

3 MS CLIP PEAK: 42.31718

Please run LSTRAD on this channel for the full time
and give it to the Project manager to double-check peak

Enter channel name -> ^Z
Enter input filespec -> ^Z
\$

VRTC
BREED AIRBAG SLED PROGRAM
85130
EVENT

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.06e 93.63. 1.63e -16.50

4.00

3.00

2.00

1.00

0.00

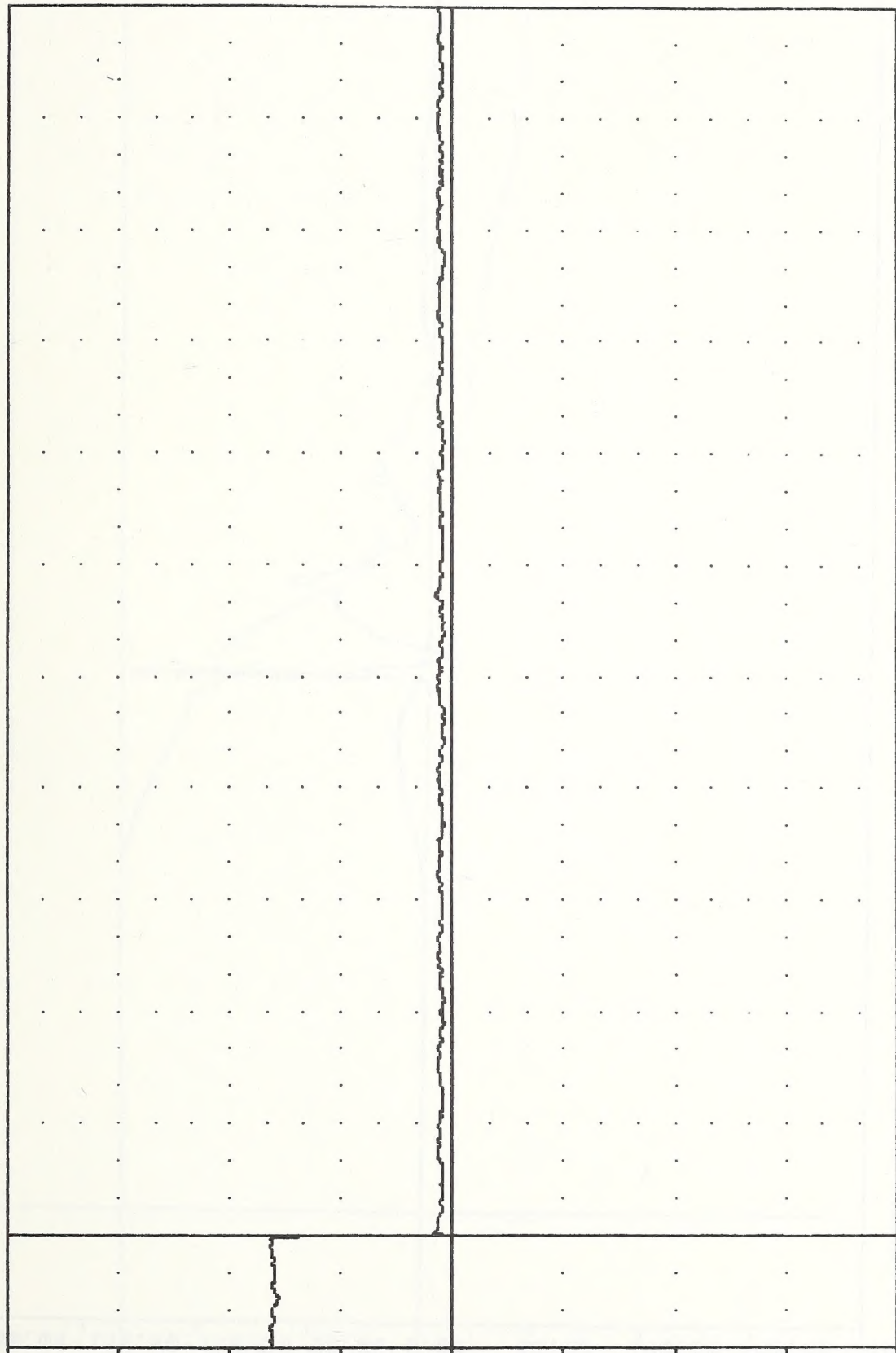
-1.00

-2.00

-3.00

-4.00

VOLTAGE (VOLTS)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (MSEC)

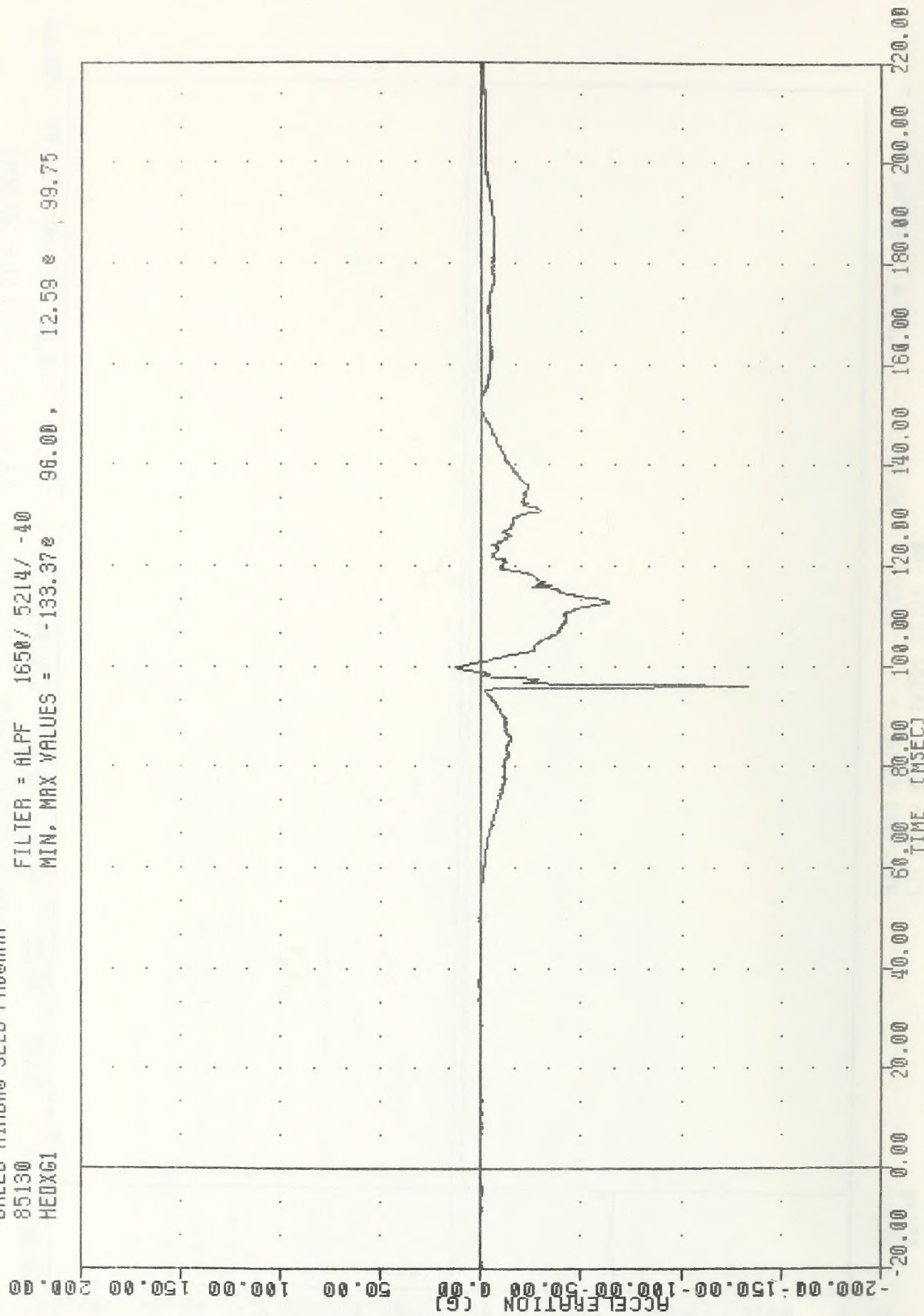
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
EVENT

VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
HEDXG1

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -133.37e 96.00, 12.59 e 99.75



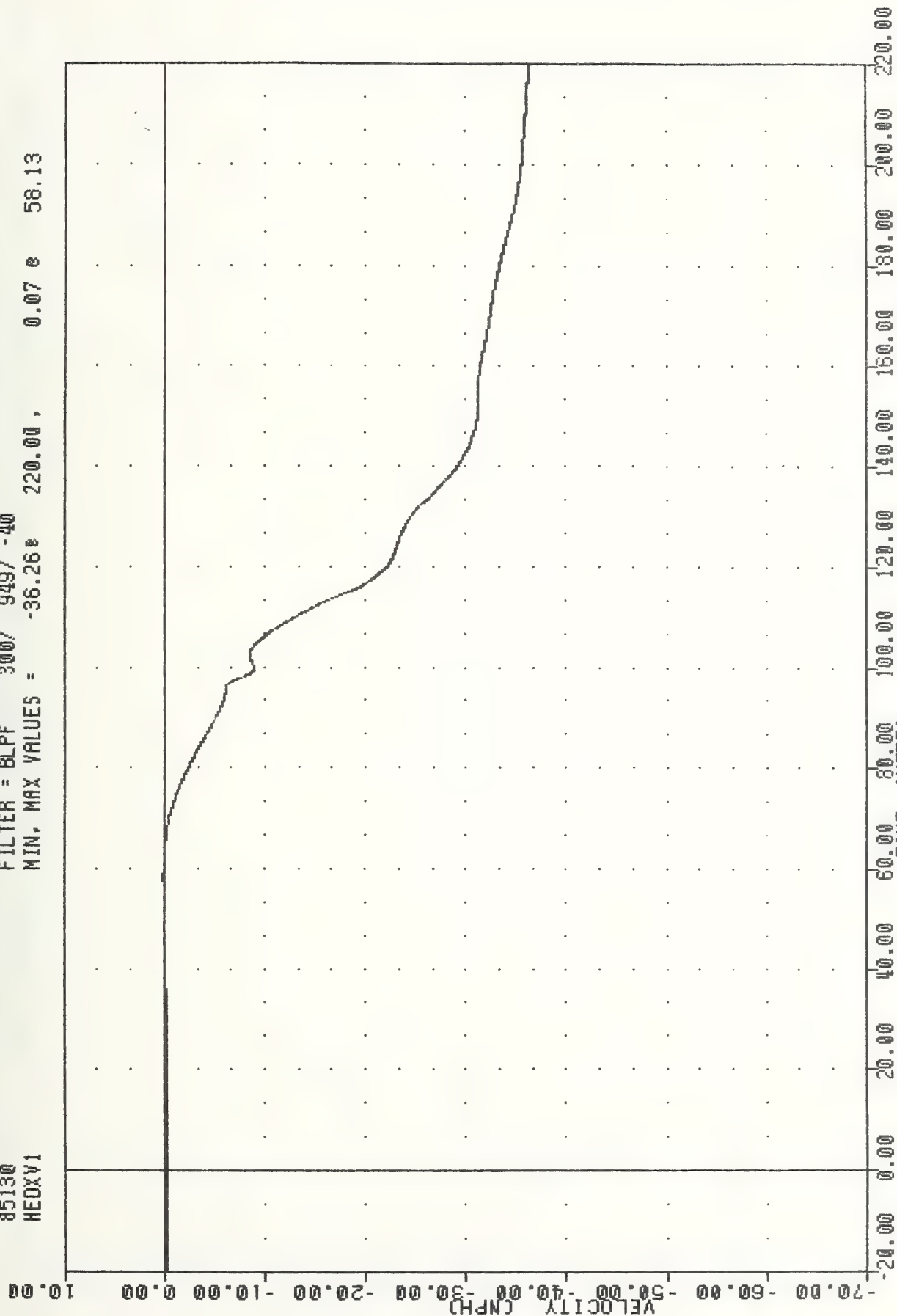
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85130
HEDXV1

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -36.26e 220.00, 0.07 e 58.13



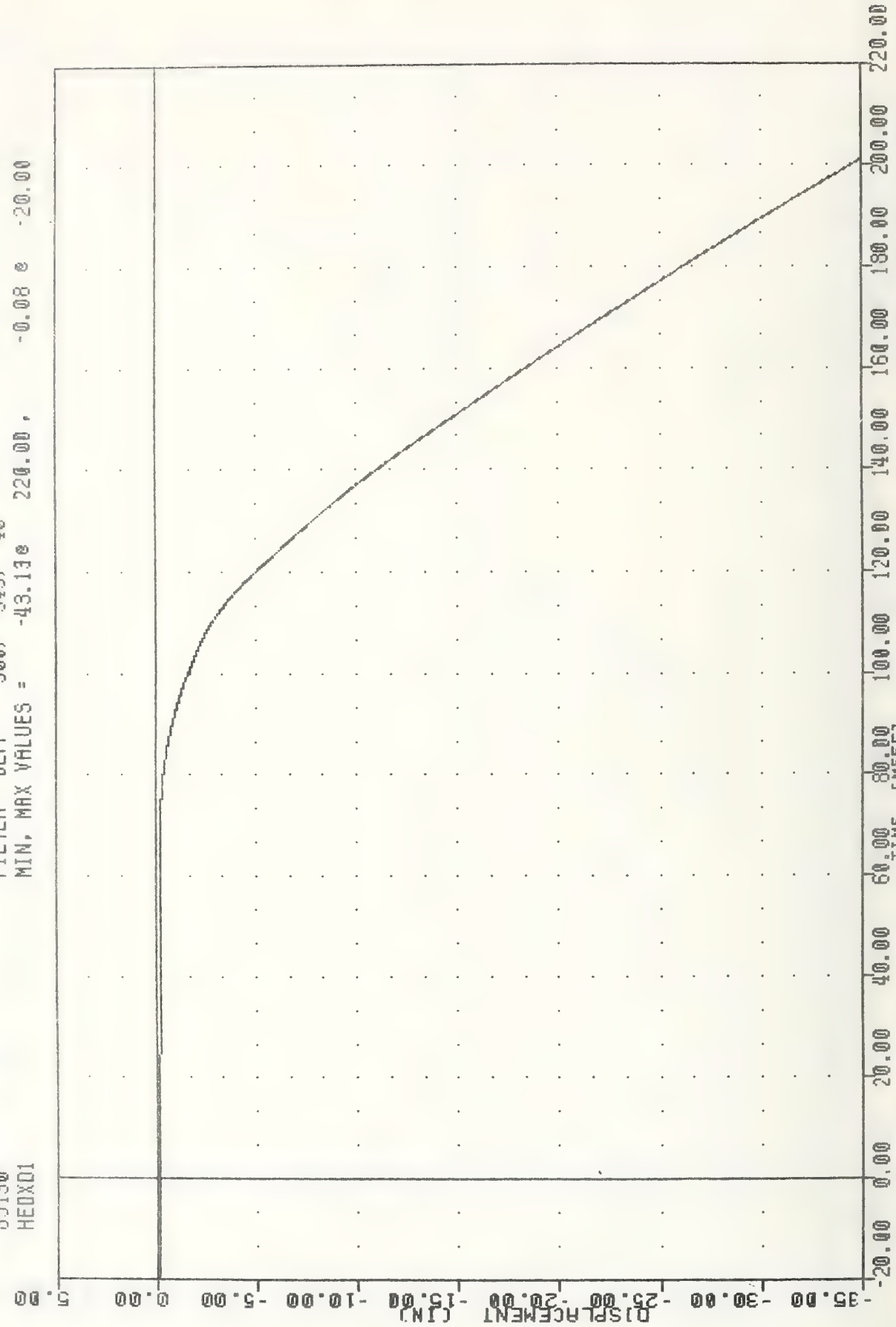
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRTC , R0384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 HEDXD1

PLOT DATE 13-MAY-85 10:10:59

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -43.13e 220.00, -0.08 e -20.00



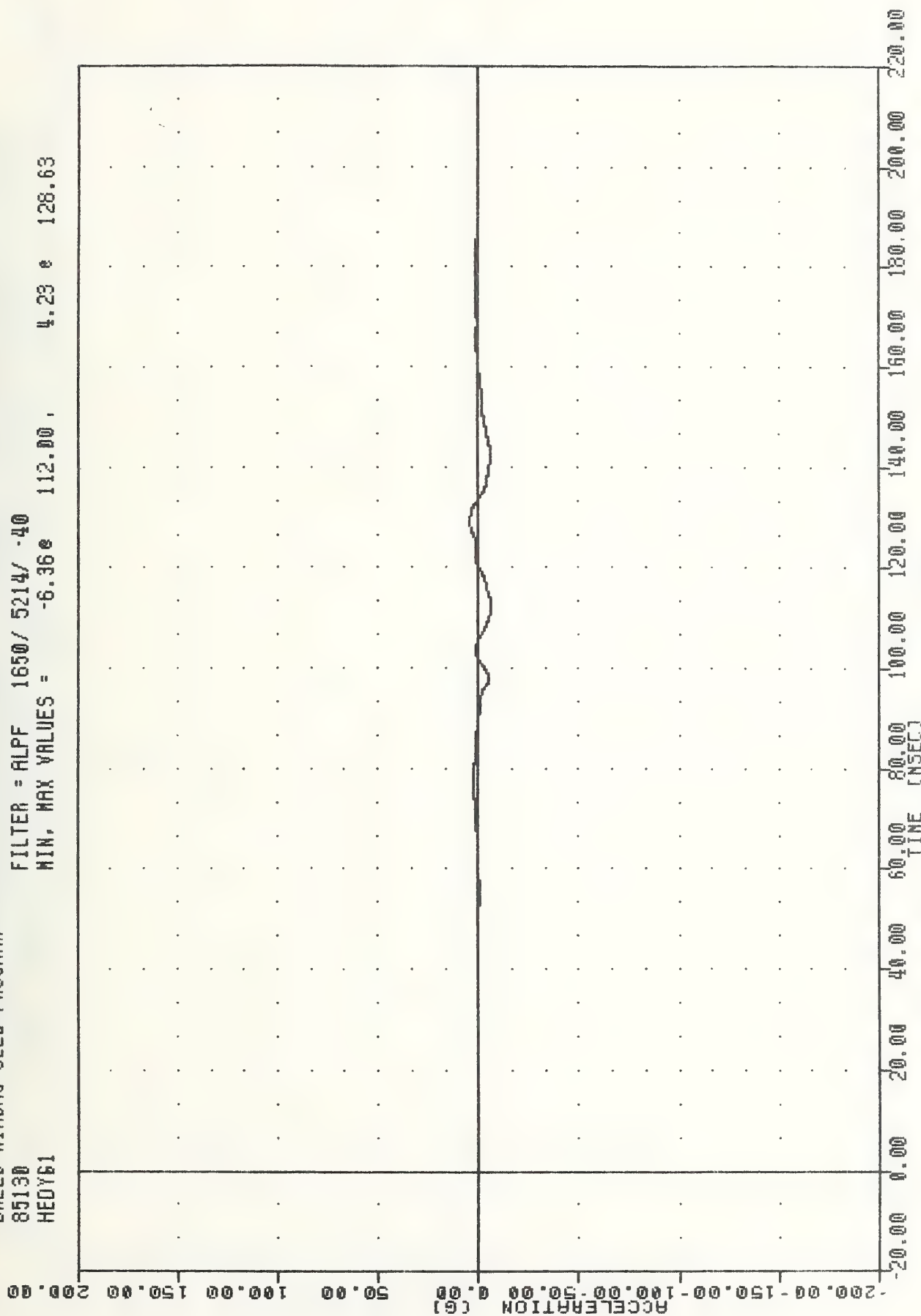
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING HEDXV1

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 HEDY61

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -6.36e 112.00 , 4.23 e 126.63



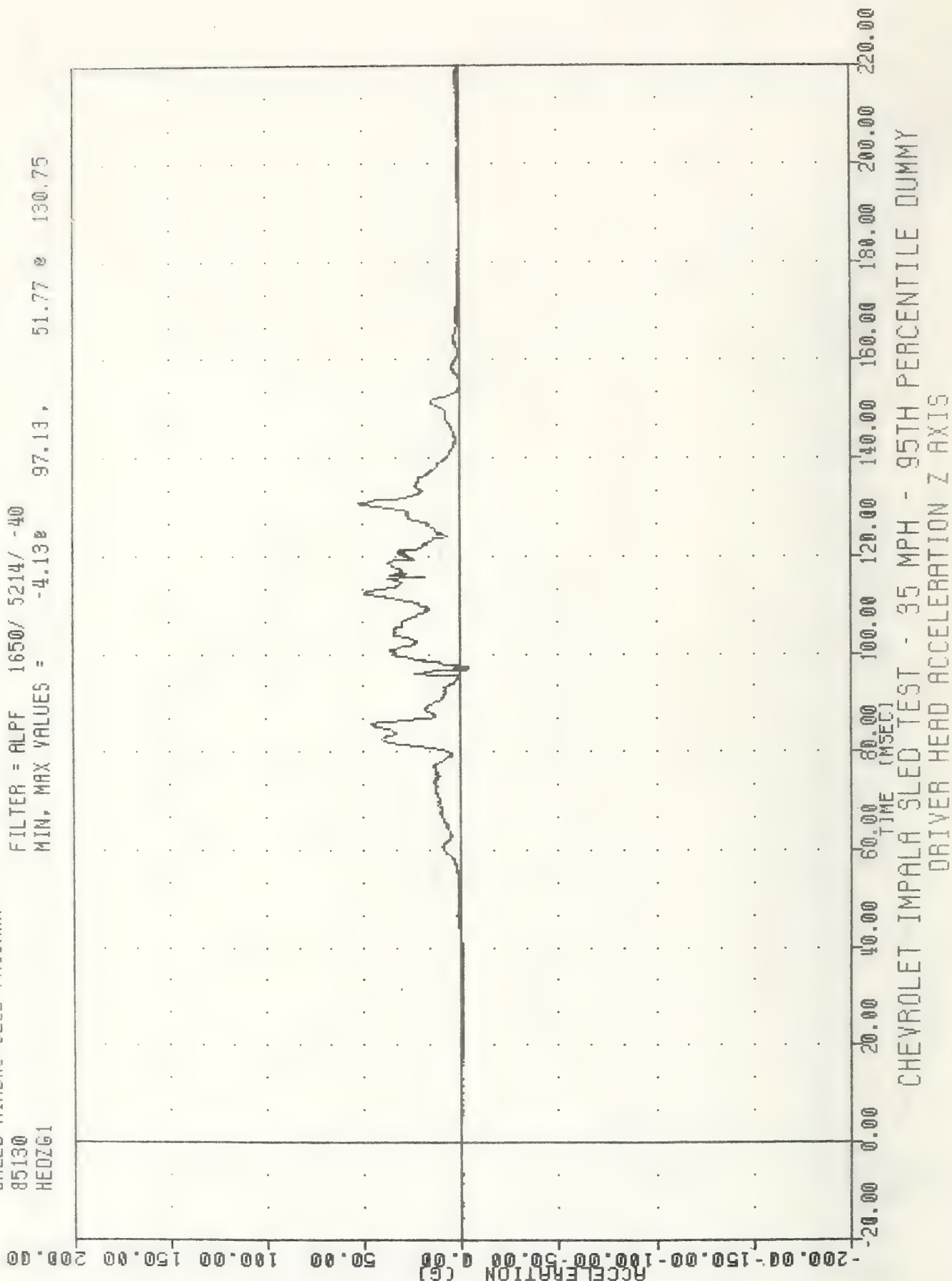
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 HEDZG1

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -4.13e 97.13, 51.77 e 130.75



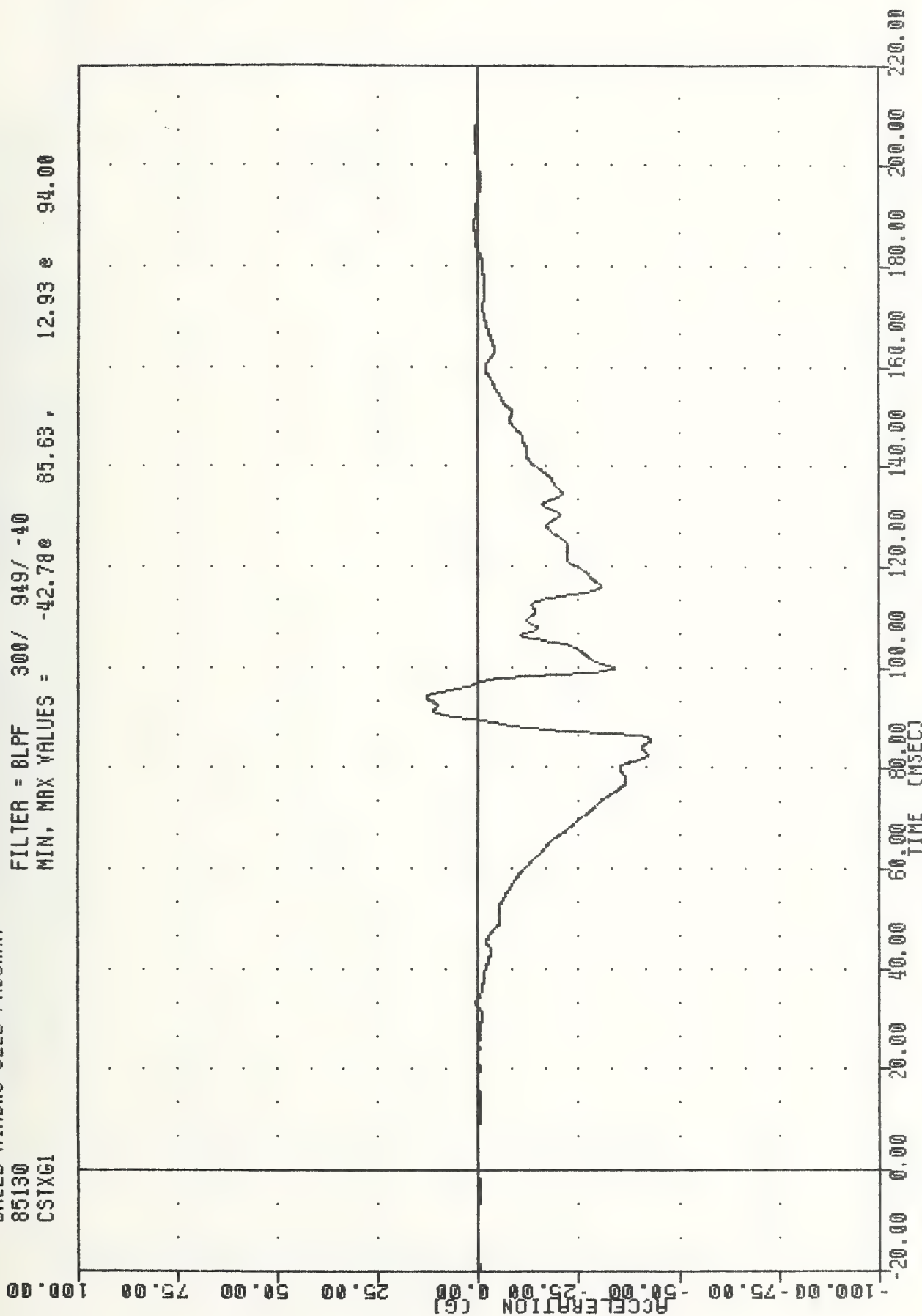
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Z AXIS

VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
CSTXG1

PLOT DATE 13-MAY-85 10:08:28

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -42.78e 85.63, 12.93 e 94.00



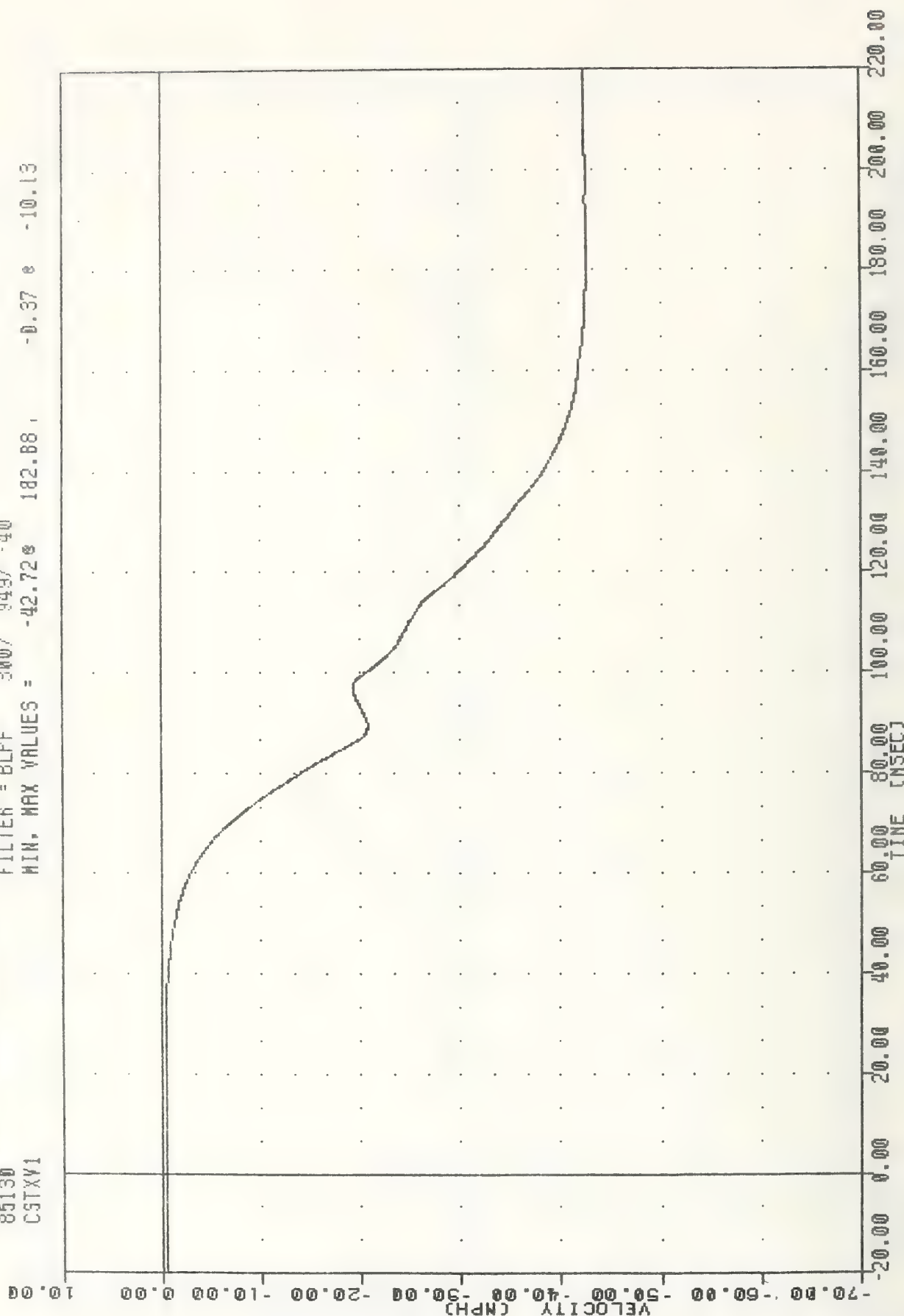
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 CSTXV1

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLFF 300/ 949/ -40

MIN, MAX VALUES = -42.72e 182.88 , -0.37 e -10.13



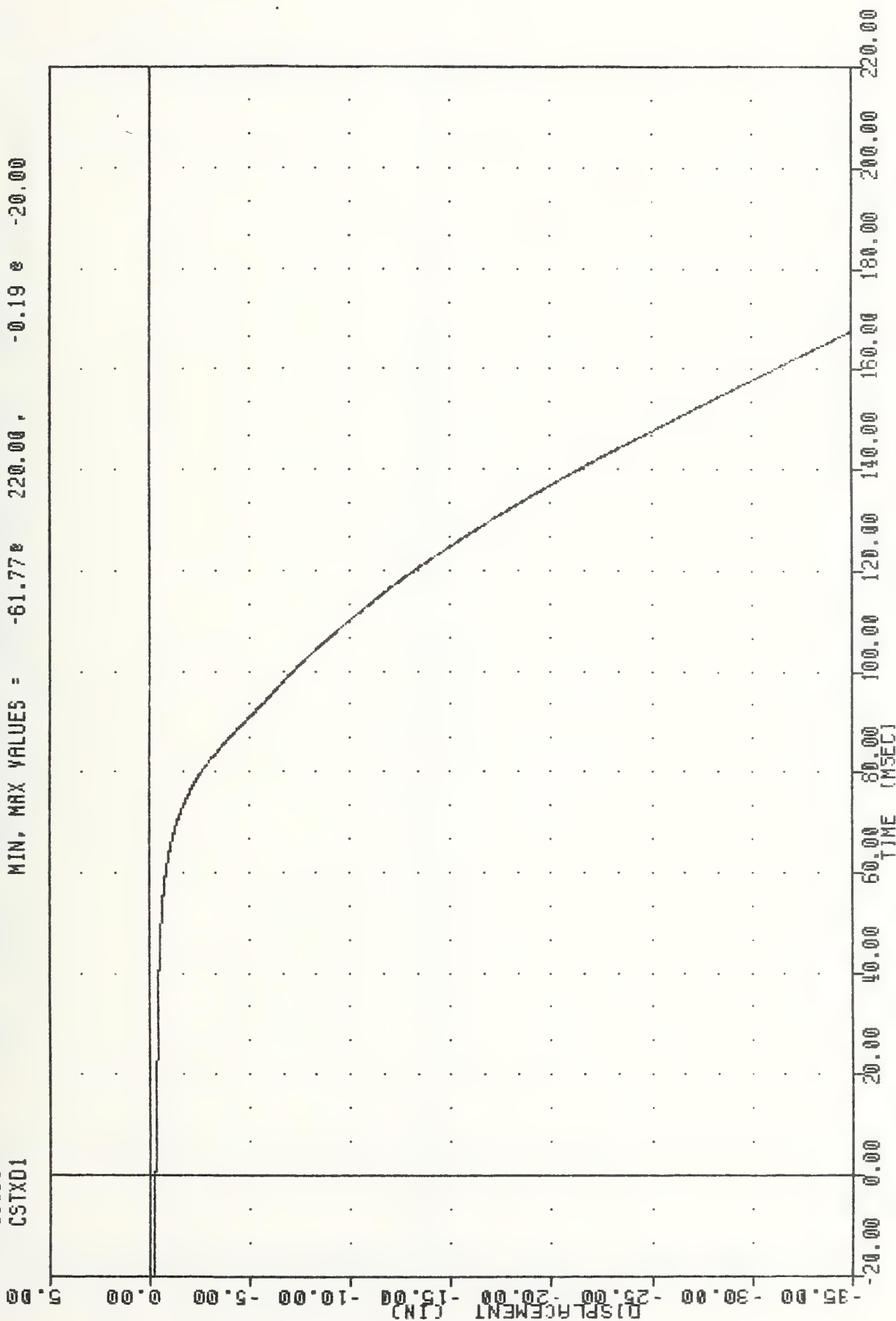
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING CSTXG1

VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
CSTXD1

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -61.77e 220.00, -0.19 e -20.00



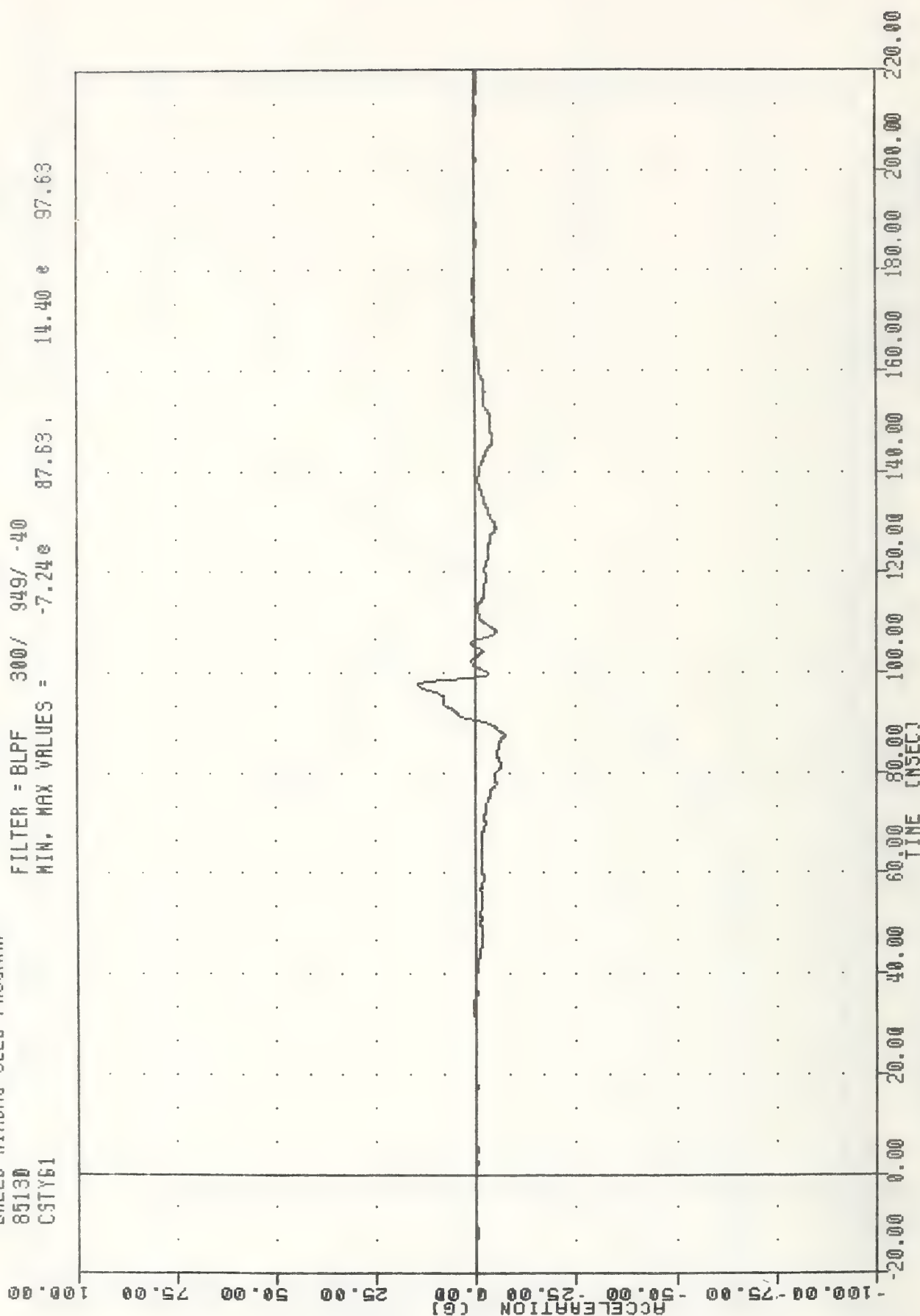
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING CSTXV1

VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
CSTY61

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -7.24e 87.63 , 14.40 e 97.63



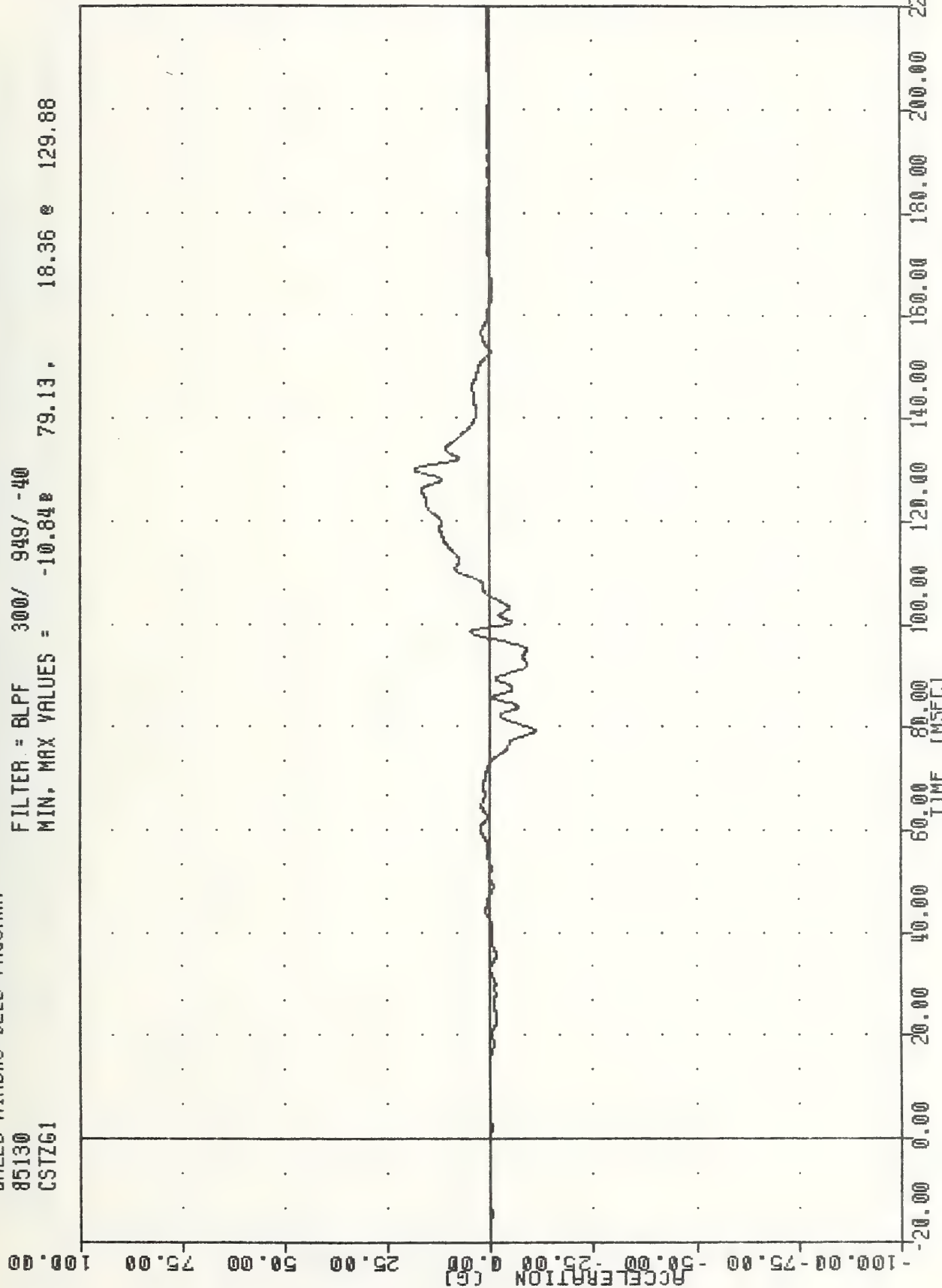
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC , R0384-4-29
BREED AIRBAG SLED PROGRAM
85130
CSTZ61

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -10.84e 79.13, 18.36 e 129.88

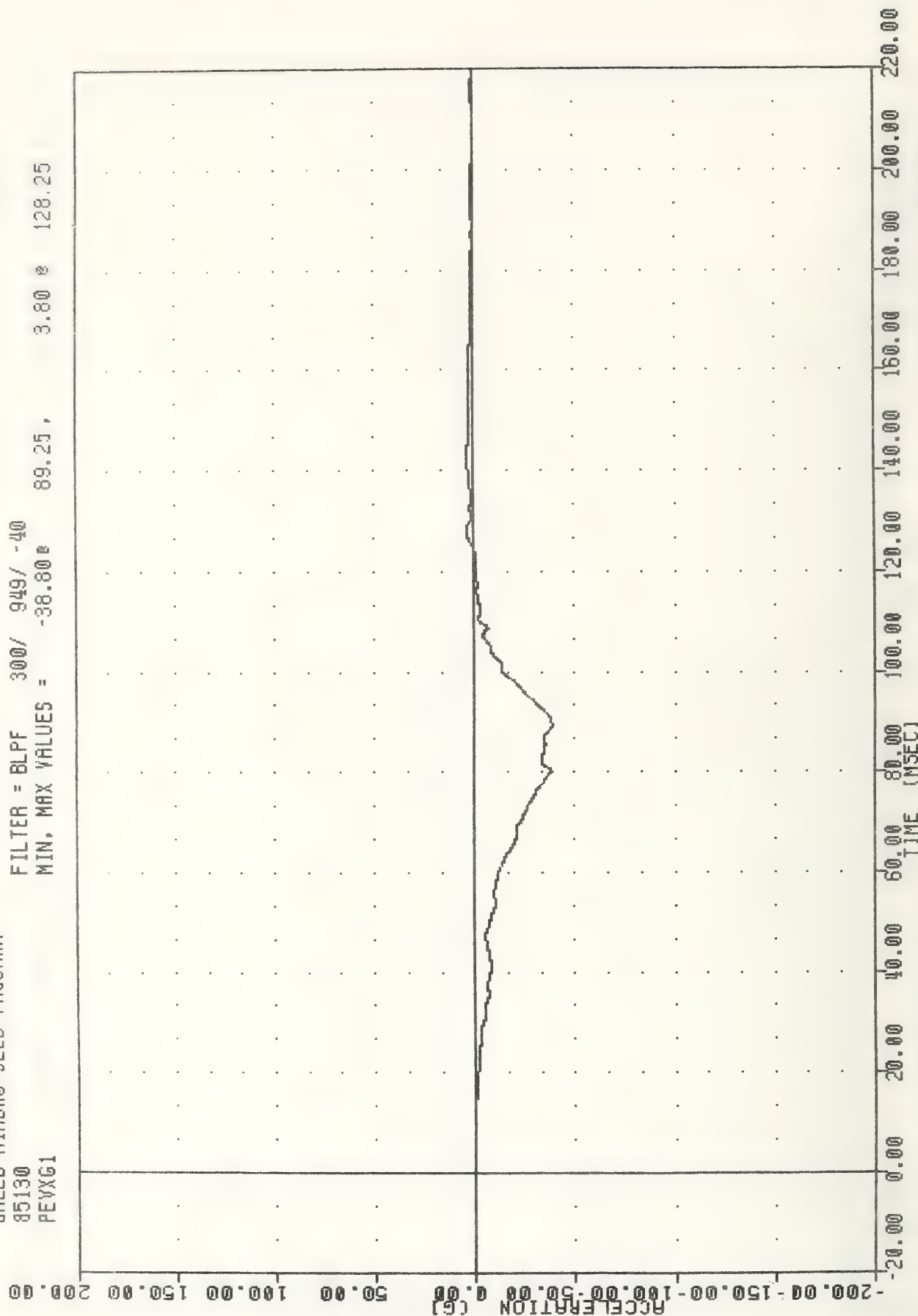


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 PEVXG1

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -38.80 89.25 , 3.80 128.25



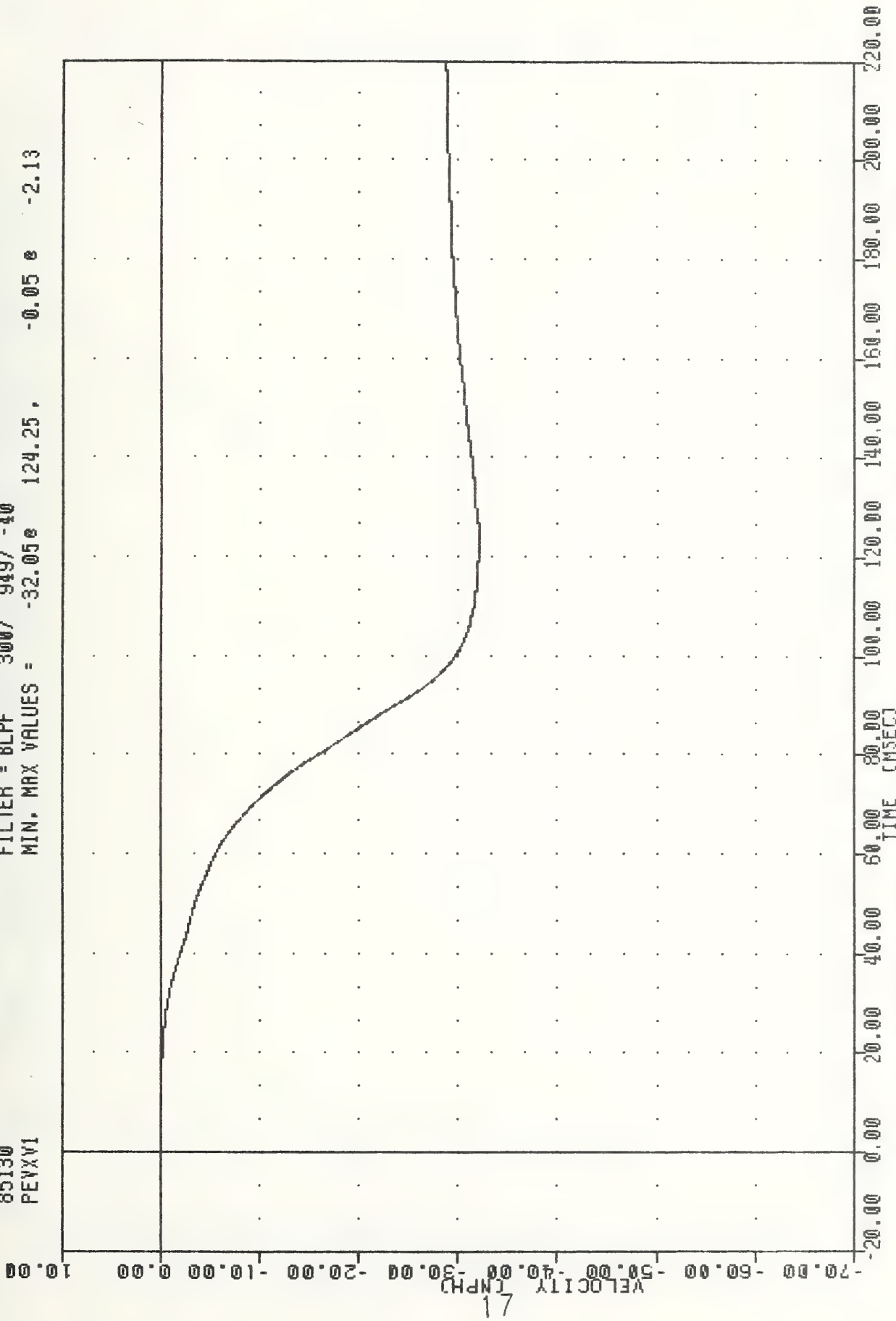
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION X AXIS

VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
PEVXV1

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -32.05e 124.25 , -0.05 e -2.13



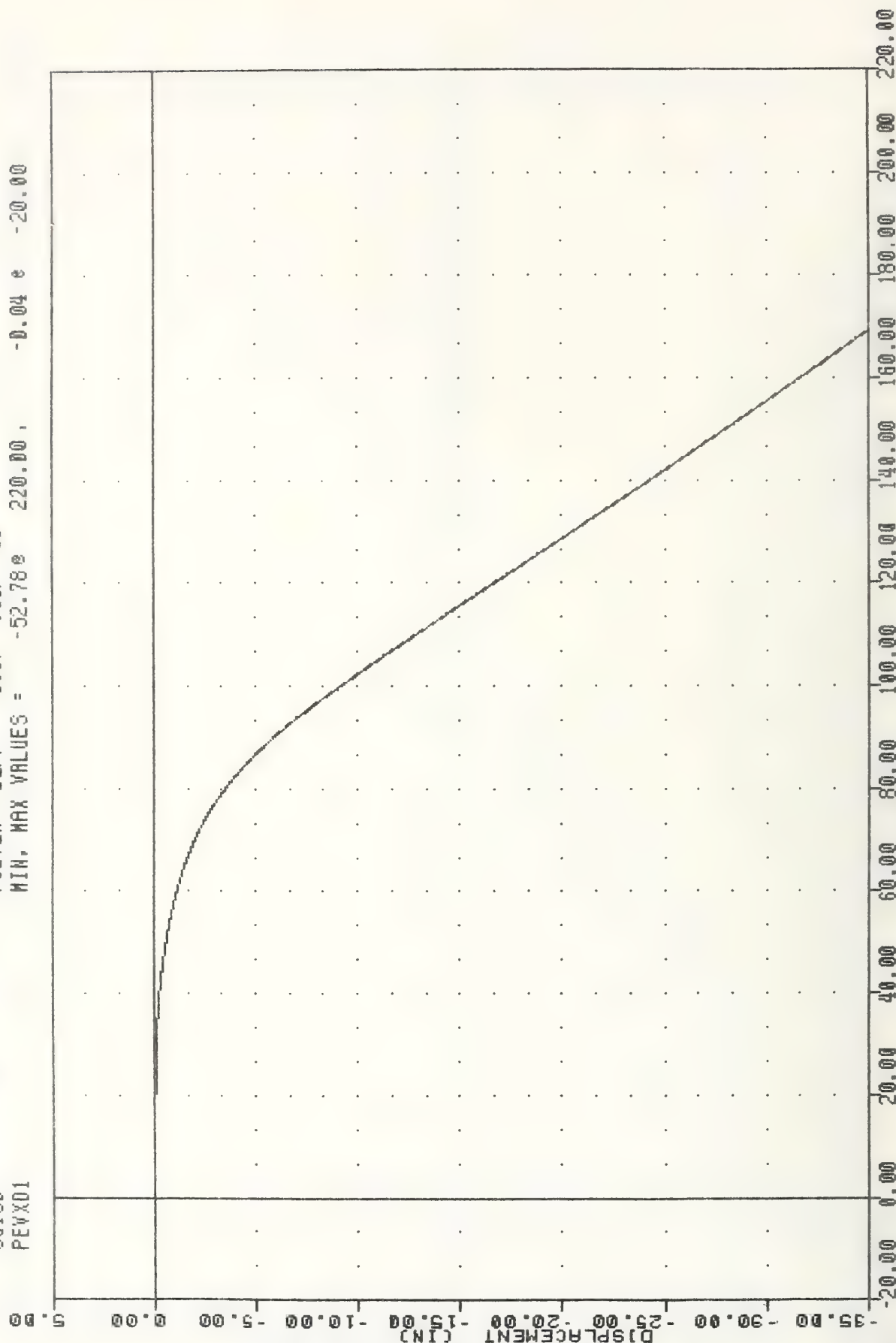
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA V USING PEVXG1

VATC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
PEVX01

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -52.78e 220.00, -0.04 e -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

DELTA X USING PEVXV1

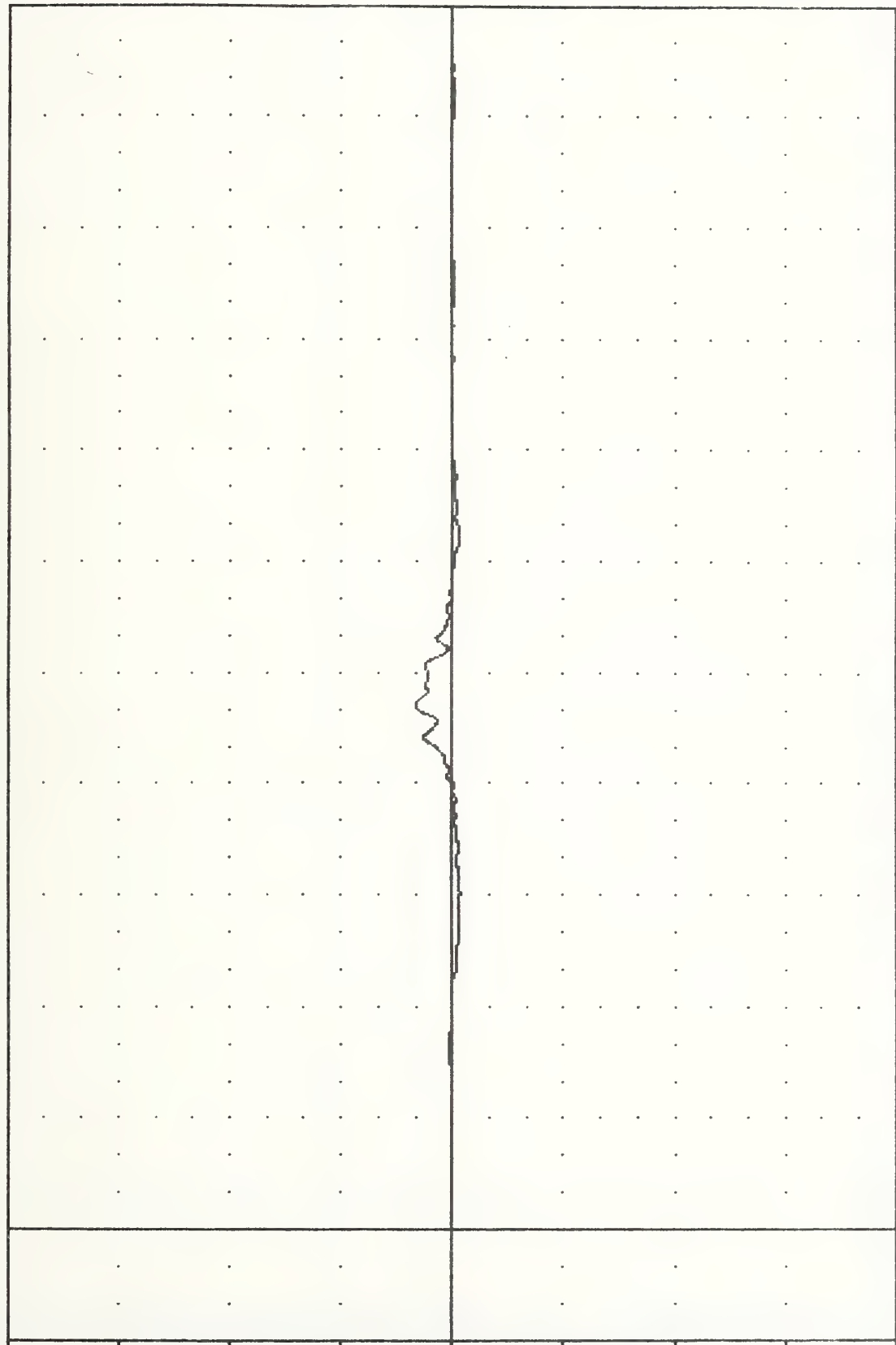
VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
PEVYG1

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -3.53e 60.25 , 16.67 e 94.25

ACCELERATION (G)



-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

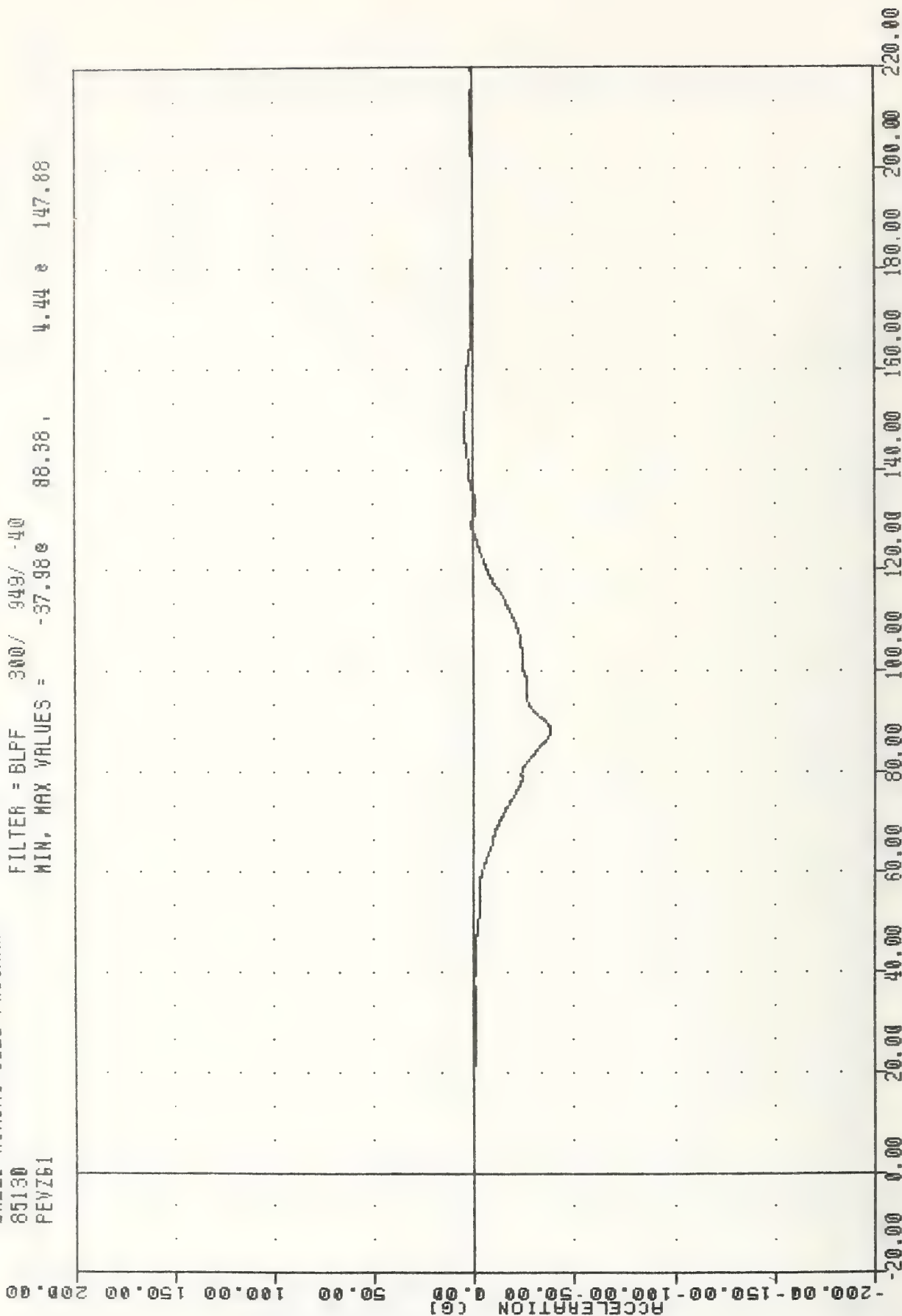
DRIVER PELVIS ACCELERATION Y AXIS

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 PEVZ61

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -37.98e 88.38 , 4.44 e 147.88



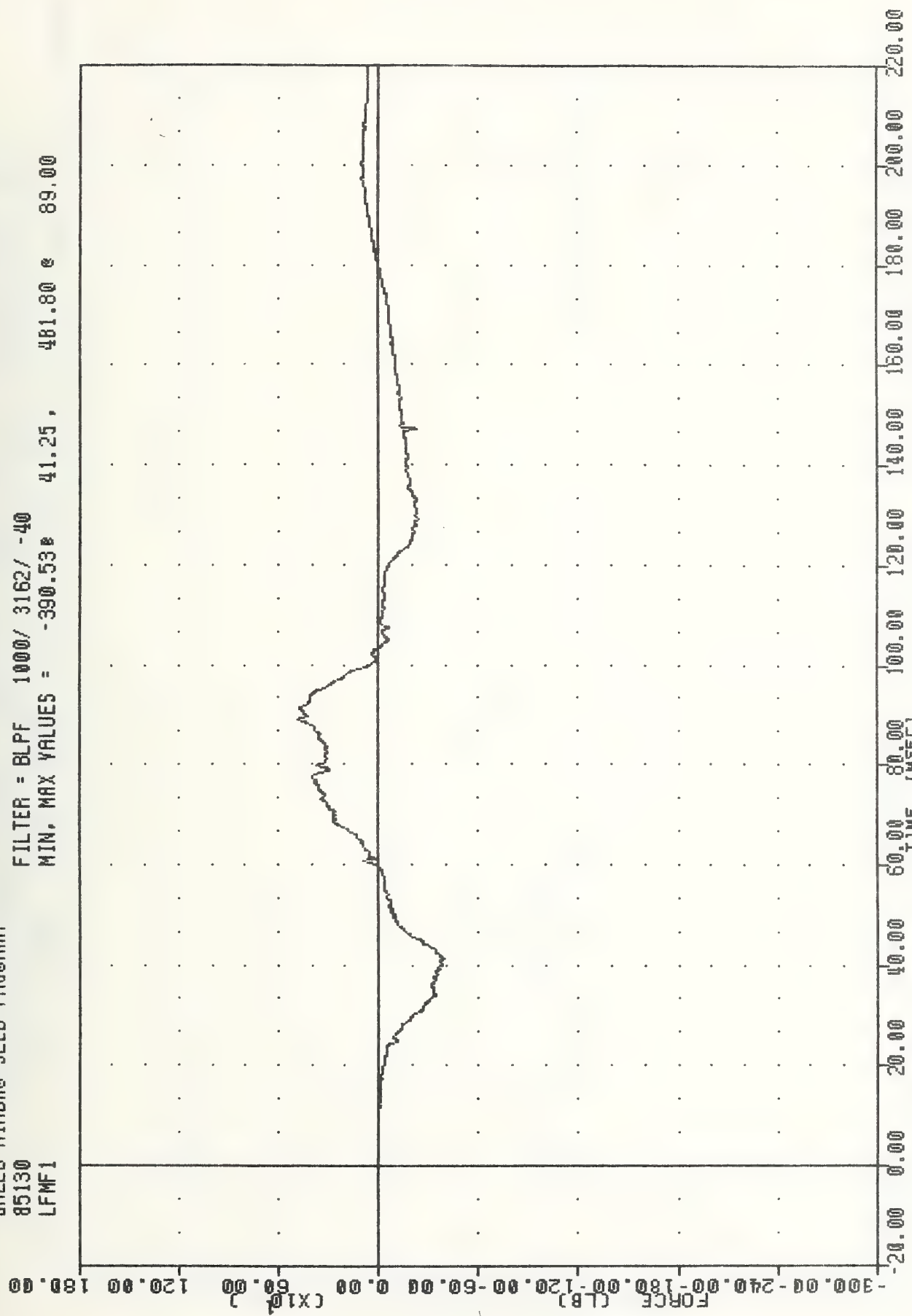
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

VRTC , R0384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 LFMF1

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -390.53 41.25, 481.80 89.00



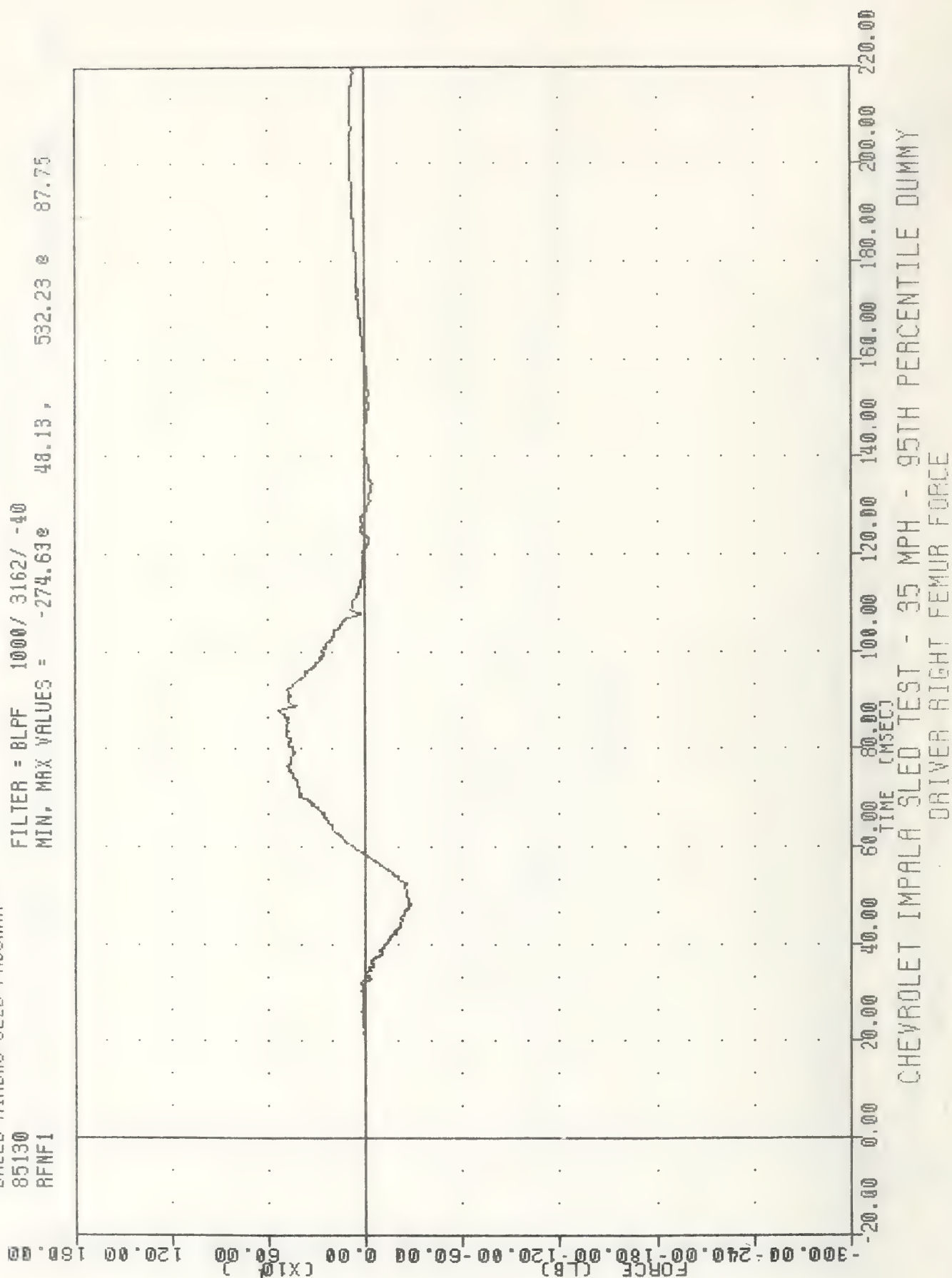
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER LEFT FEMUR FORCE

VRIC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 RFNF1

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -274.63e 48.13, 532.23 e 87.75

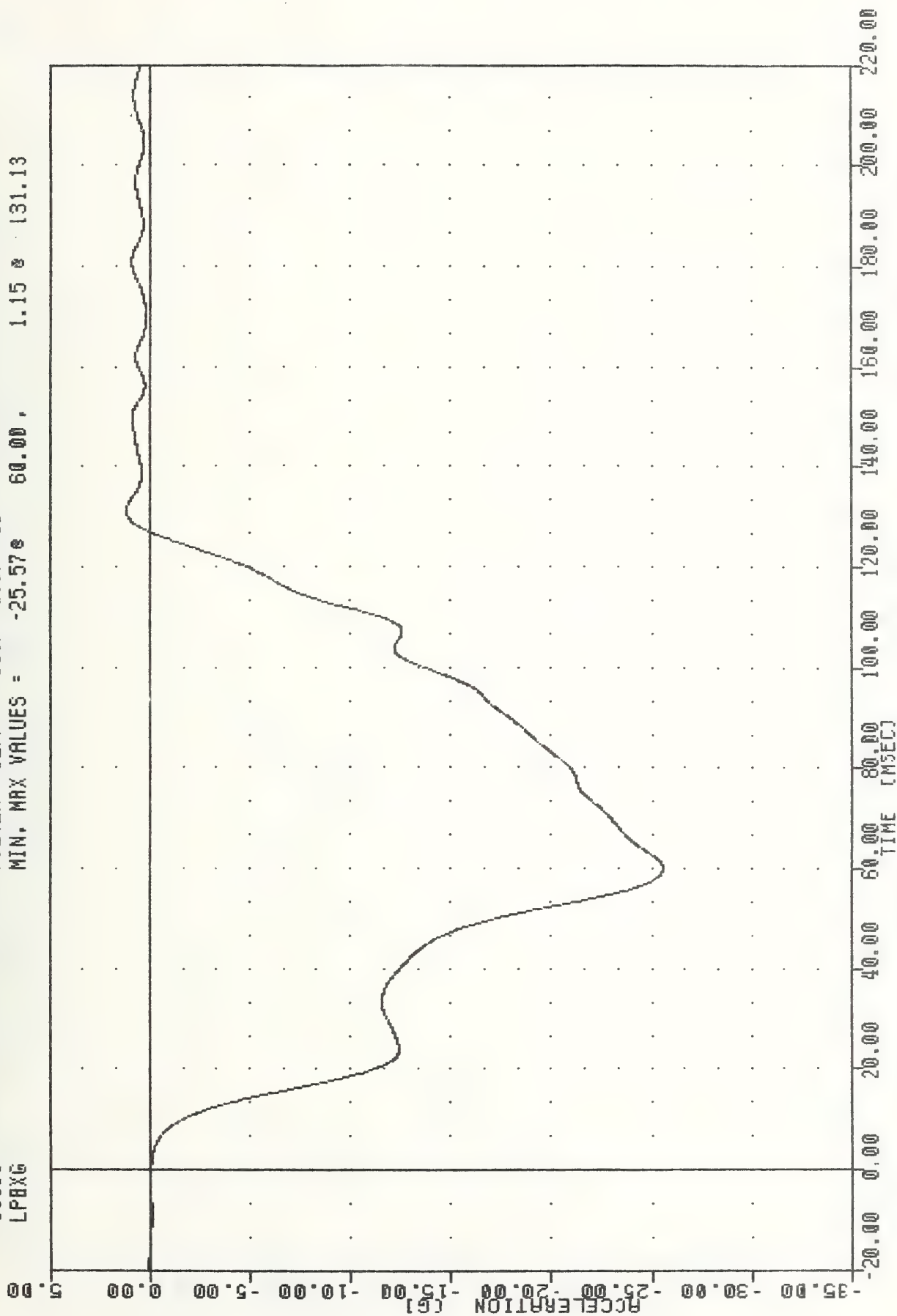


VRIC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 LPBXG

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.57e 60.00, 1.15 e 131.13



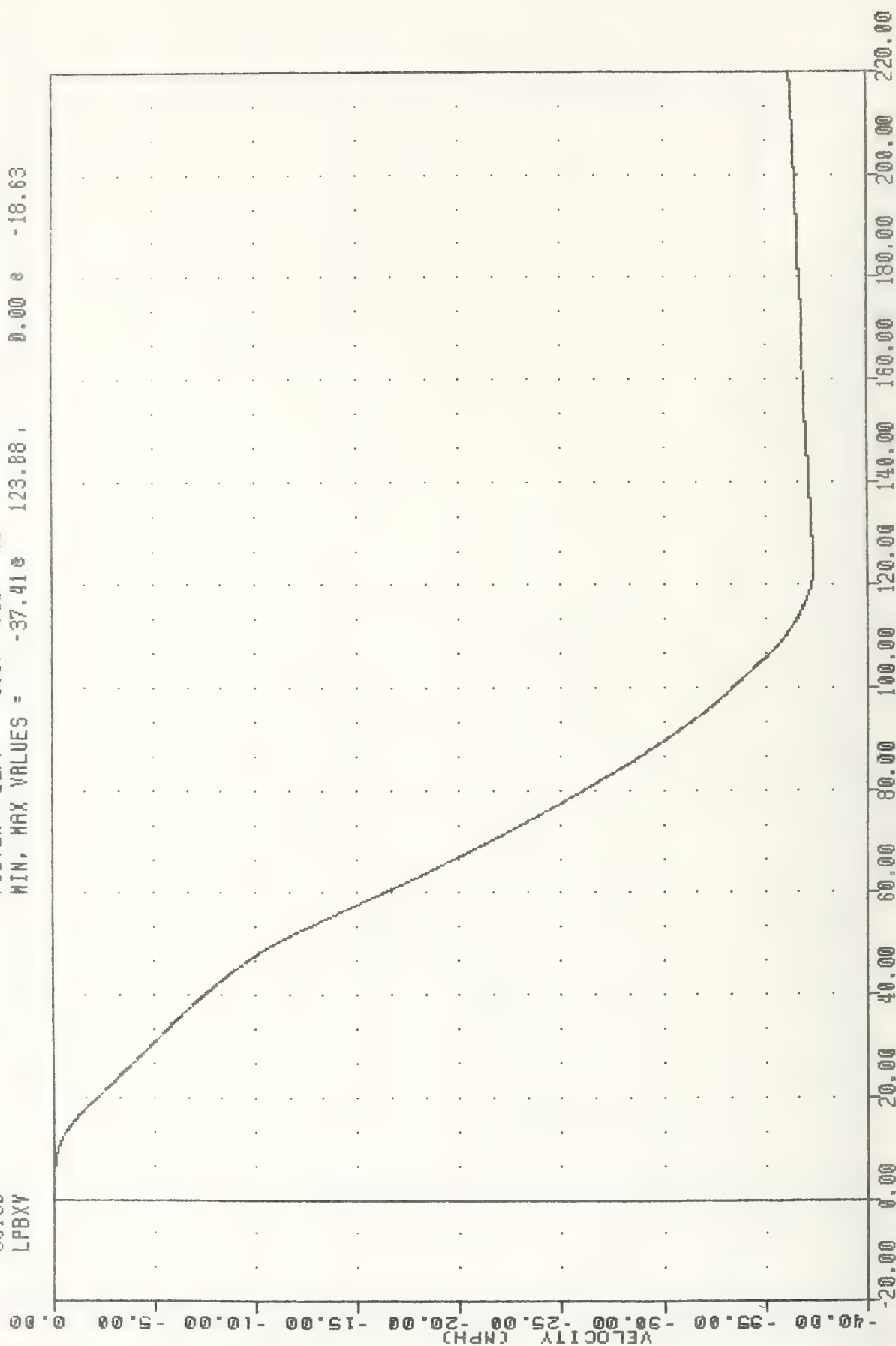
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 PILLAR LEFT B ACCELERATION X AXIS

VRTC , PD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 LPBXV

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -37.41e 123.88, 0.00 e -18.63



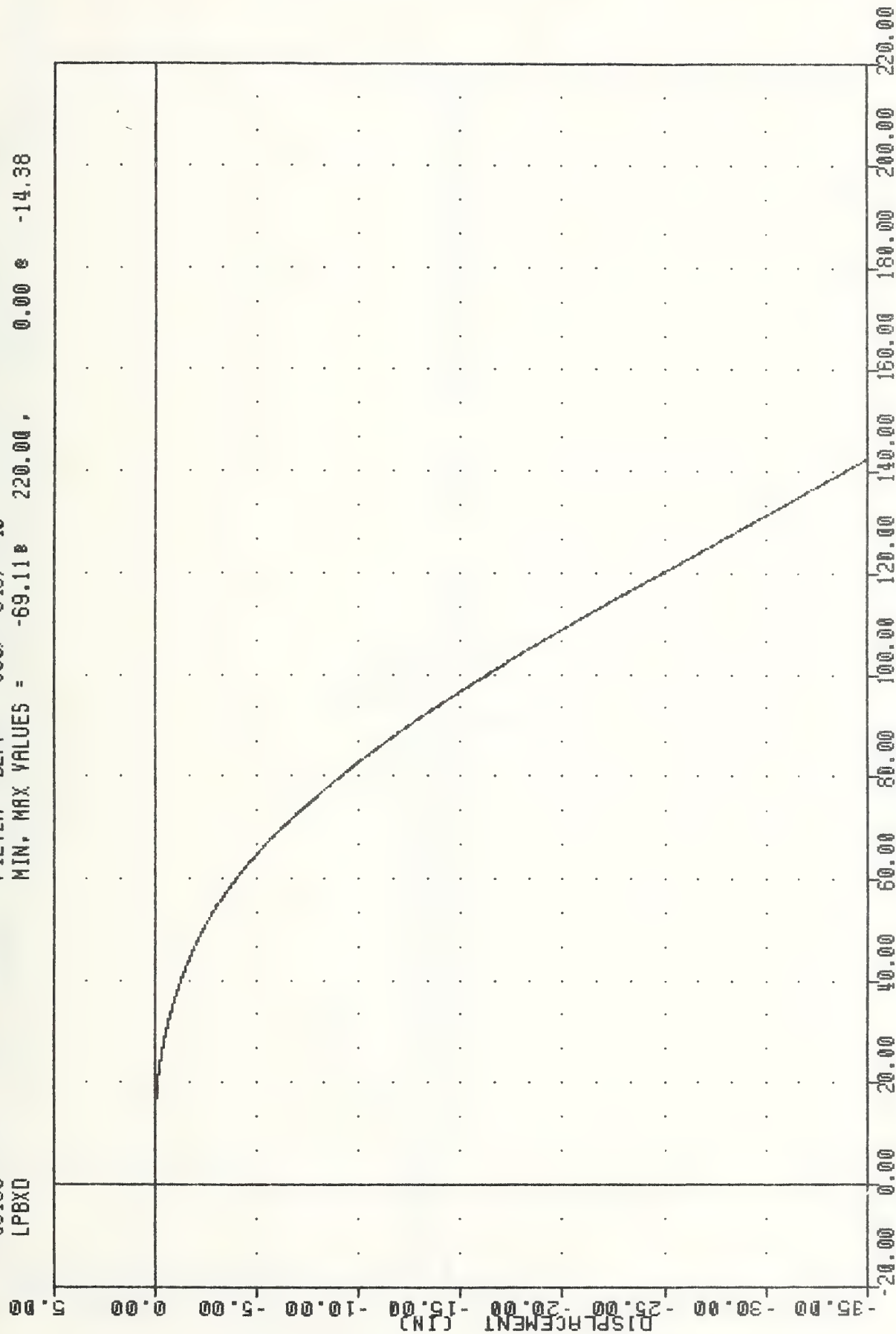
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING LPBXG

VRTC
 BREED AIRBAG SLED PROGRAM
 85130
 LPBXD

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -69.11 220.00, 0.00 e -14.38



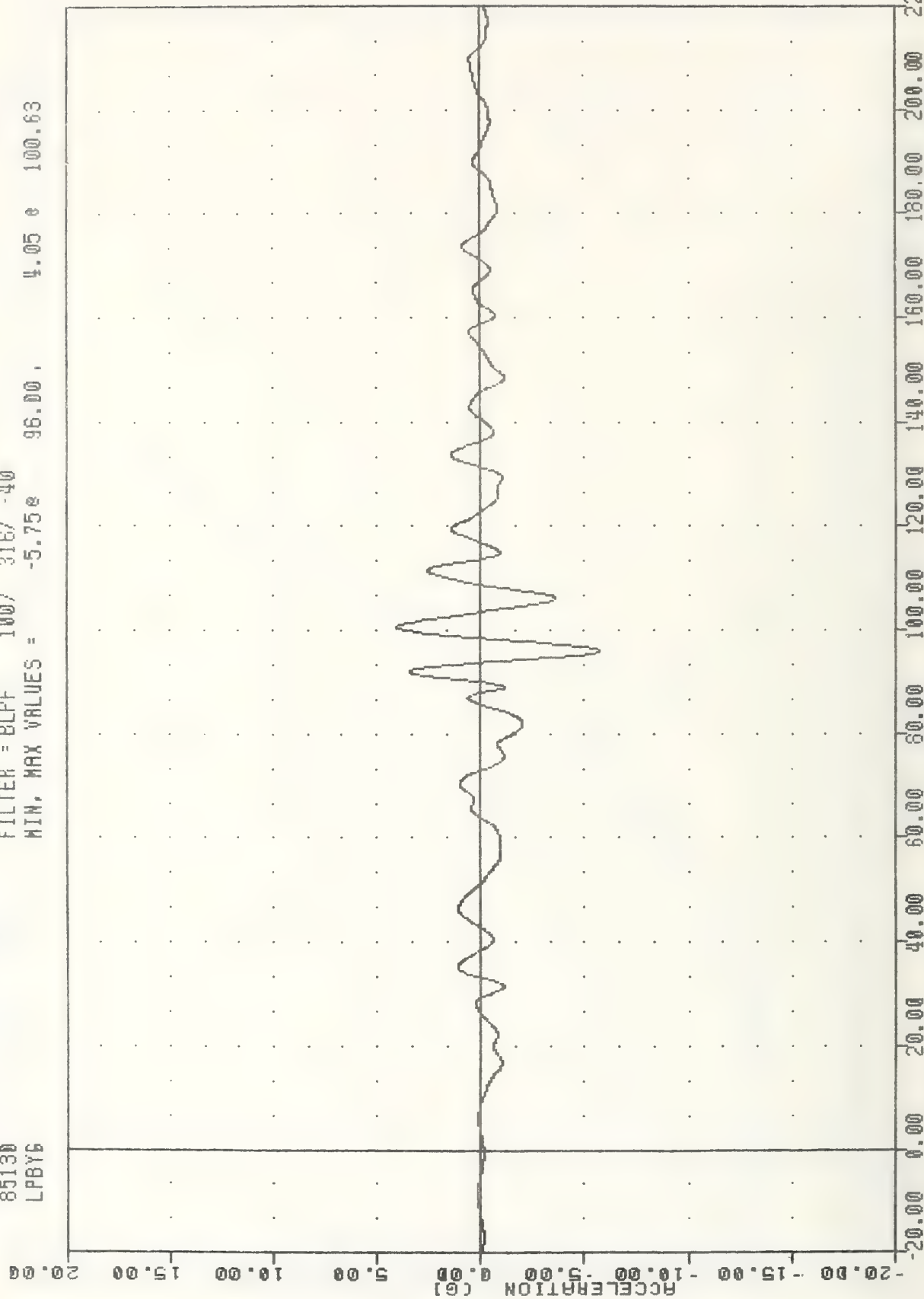
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING LPBXV

WATC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
LPBY6

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -5.75e 96.00, 4.05 e 100.63



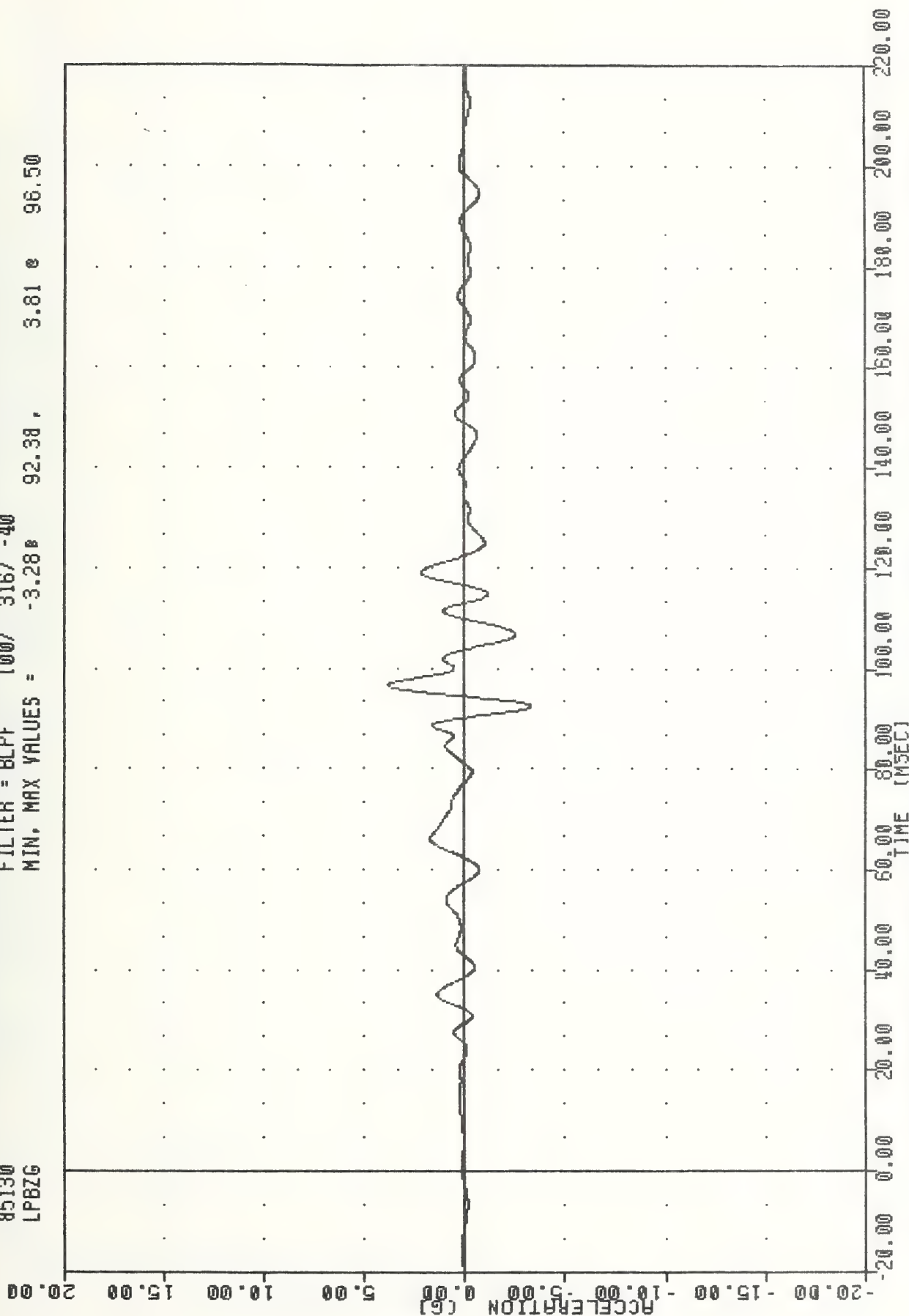
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85130
LPBZG

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -3.28 92.38 3.81 96.50



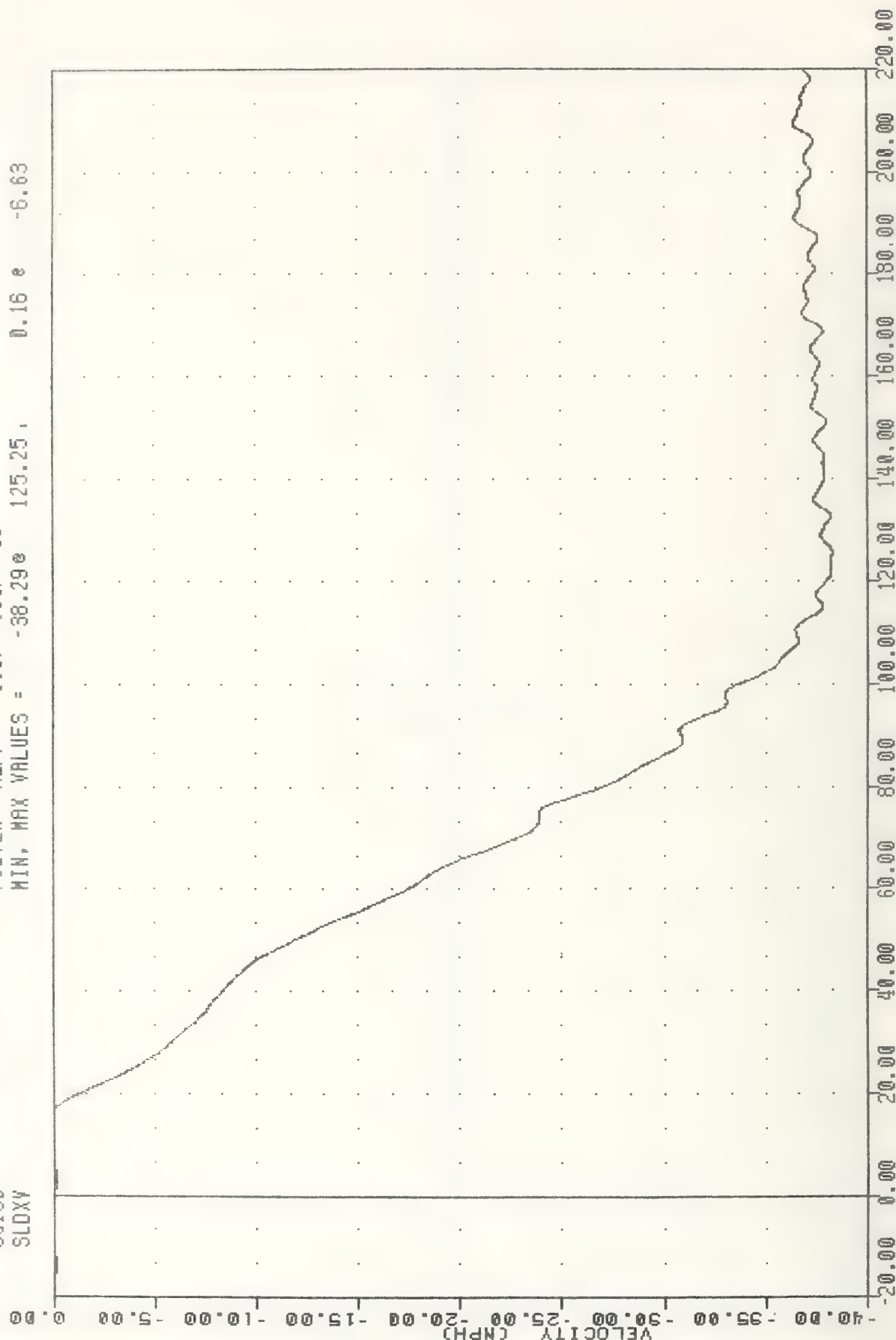
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85130
SLOXY

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 100/ 316/ -40

MIN, MAX VALUES = -38.29e 125.25, 0.16 e -6.63



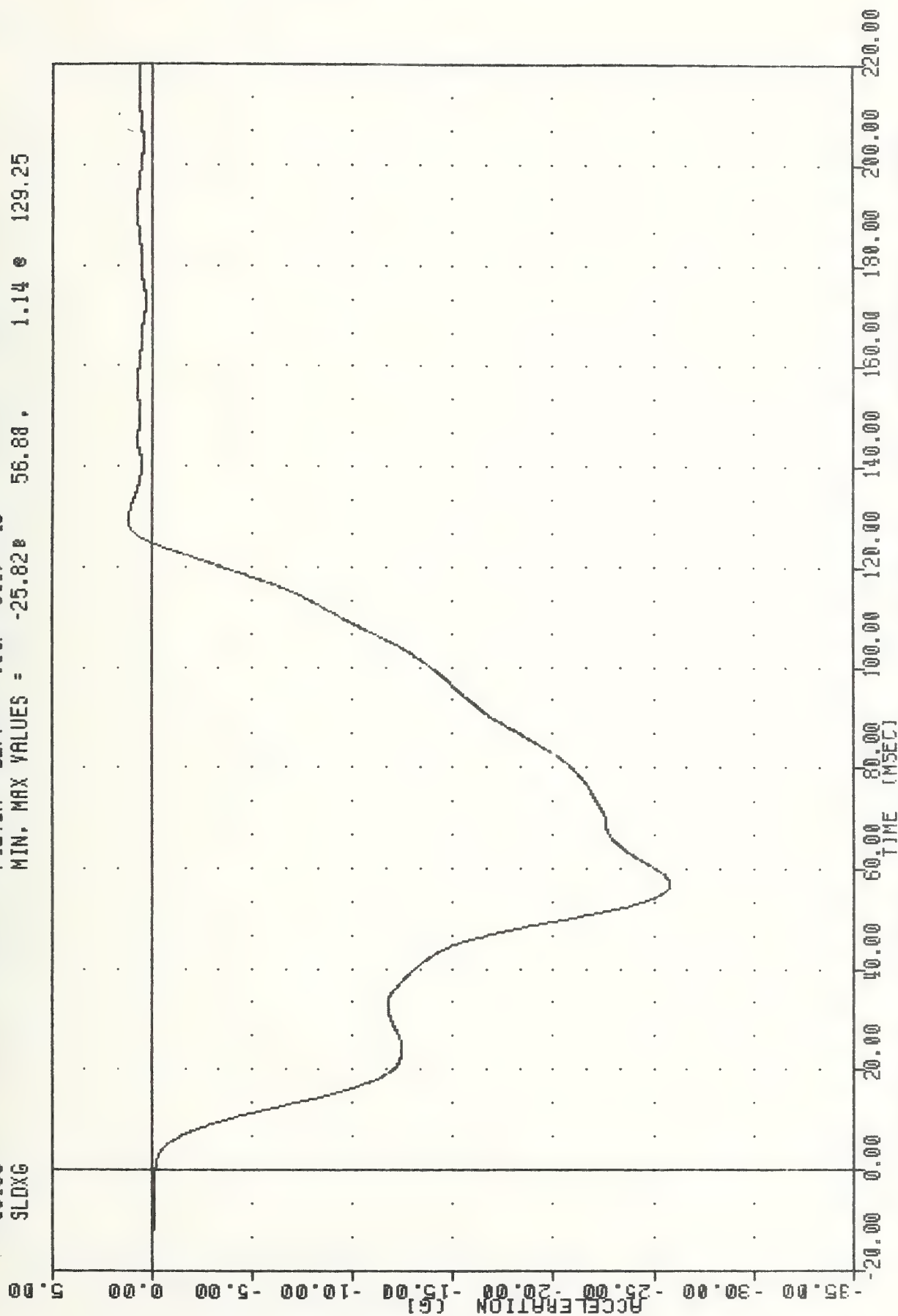
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
SLOXG

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.82 56.88, 1.14 129.25



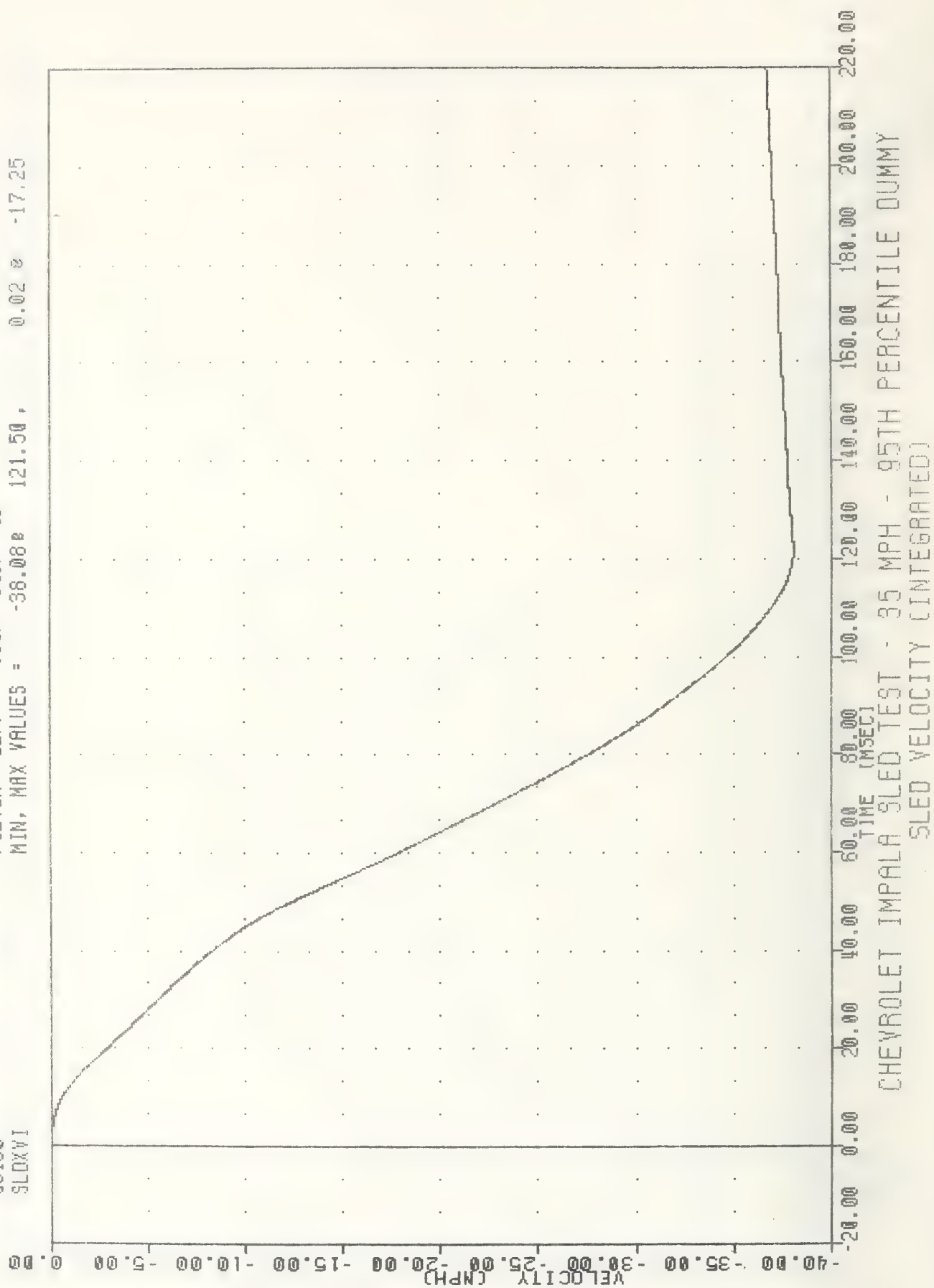
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC
BREED AIRBAG SLED PROGRAM
85130
SLOXVI

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -38.08 121.50, 0.02 17.25

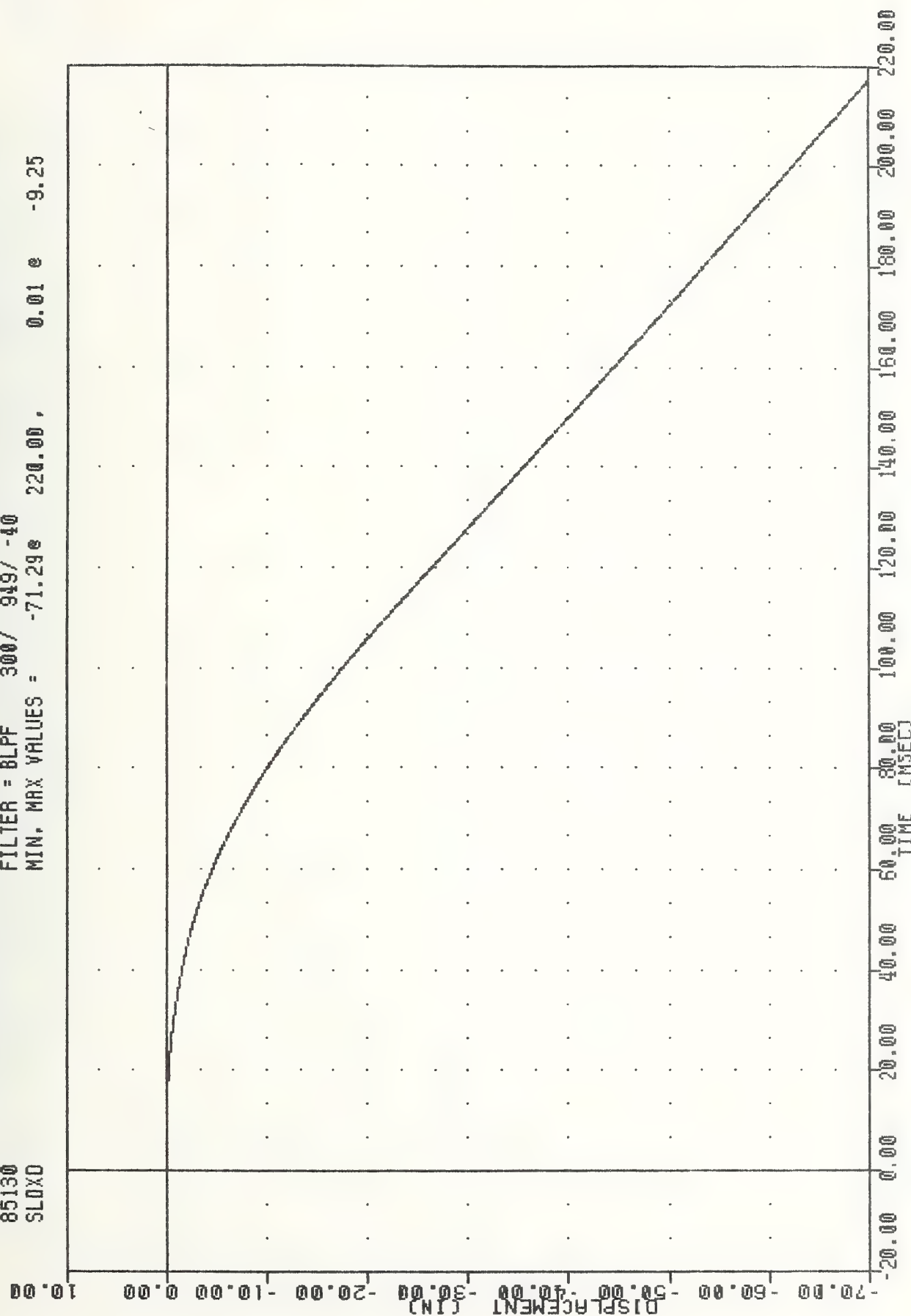


VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 SLOXD

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -71.29e 220.00, 0.01 e -9.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

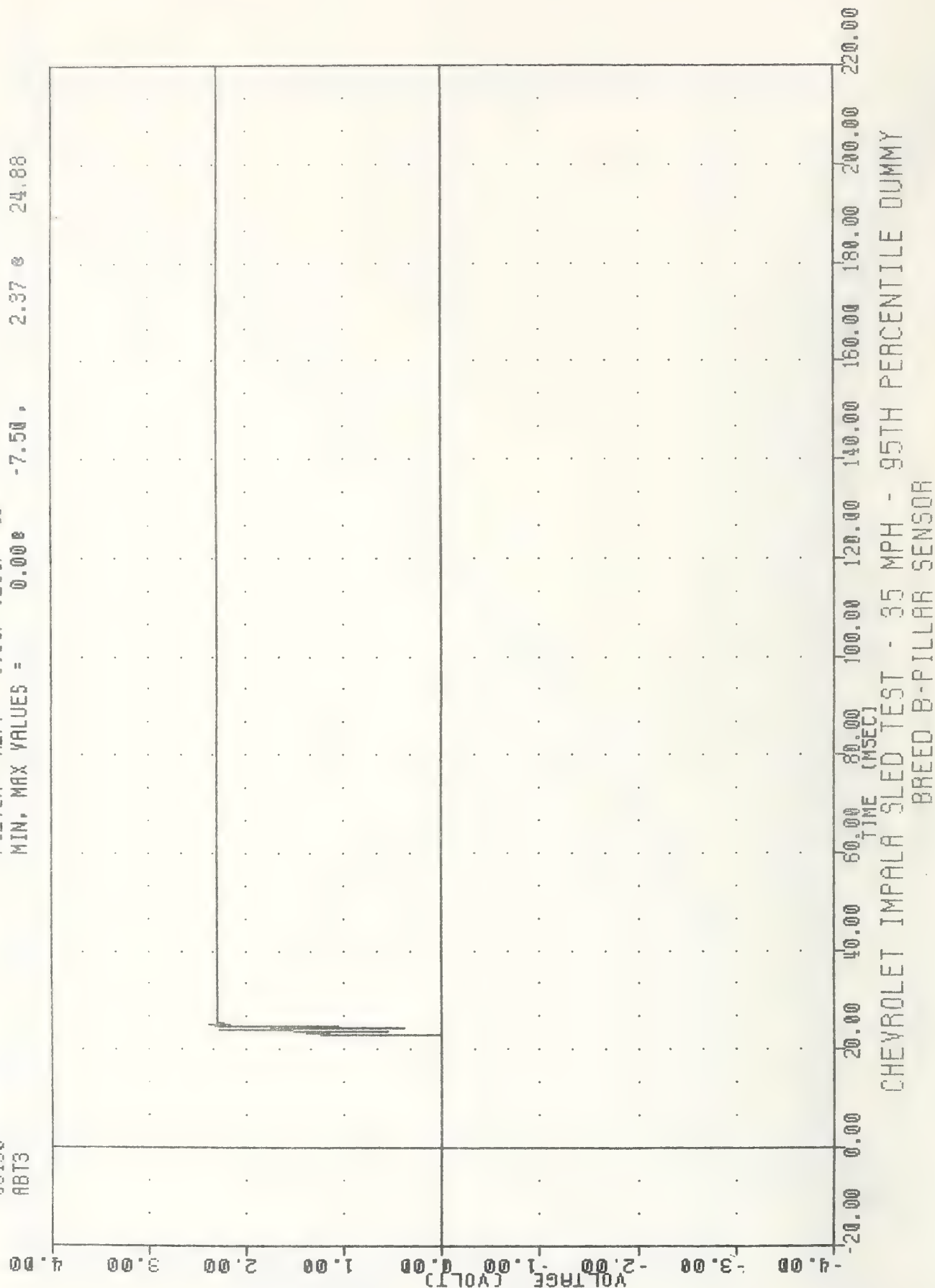
DELTA X USING SLOXVI

VRTC
BREED AIRBAG SLED PROGRAM
85130
ABT3

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.00e -7.50, 2.37 e 24.88

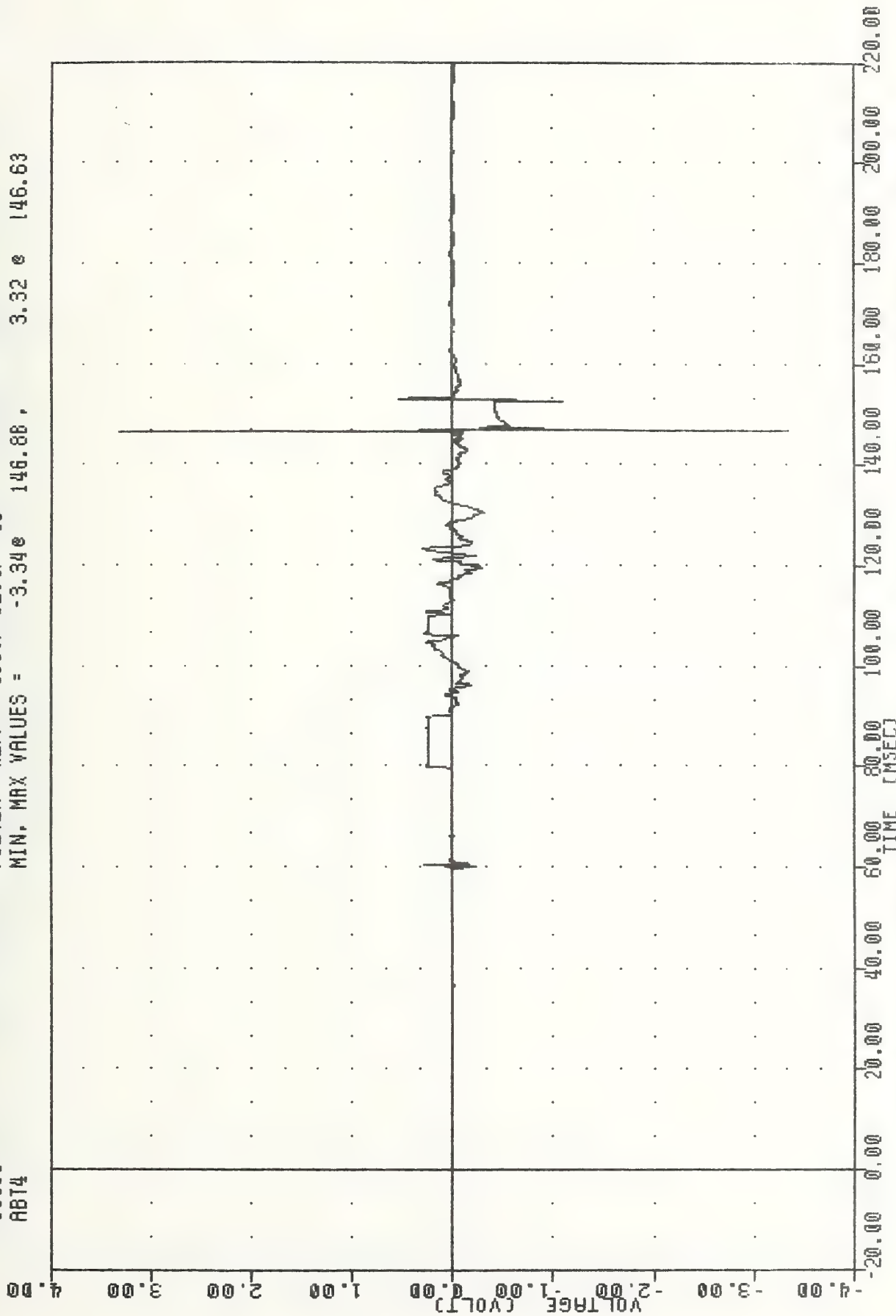


VRTC , PD384-4-29
BREED AIRBAG SLED PROGRAM
85130
ABT4

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.34e 146.88 , 3.32 e 146.63

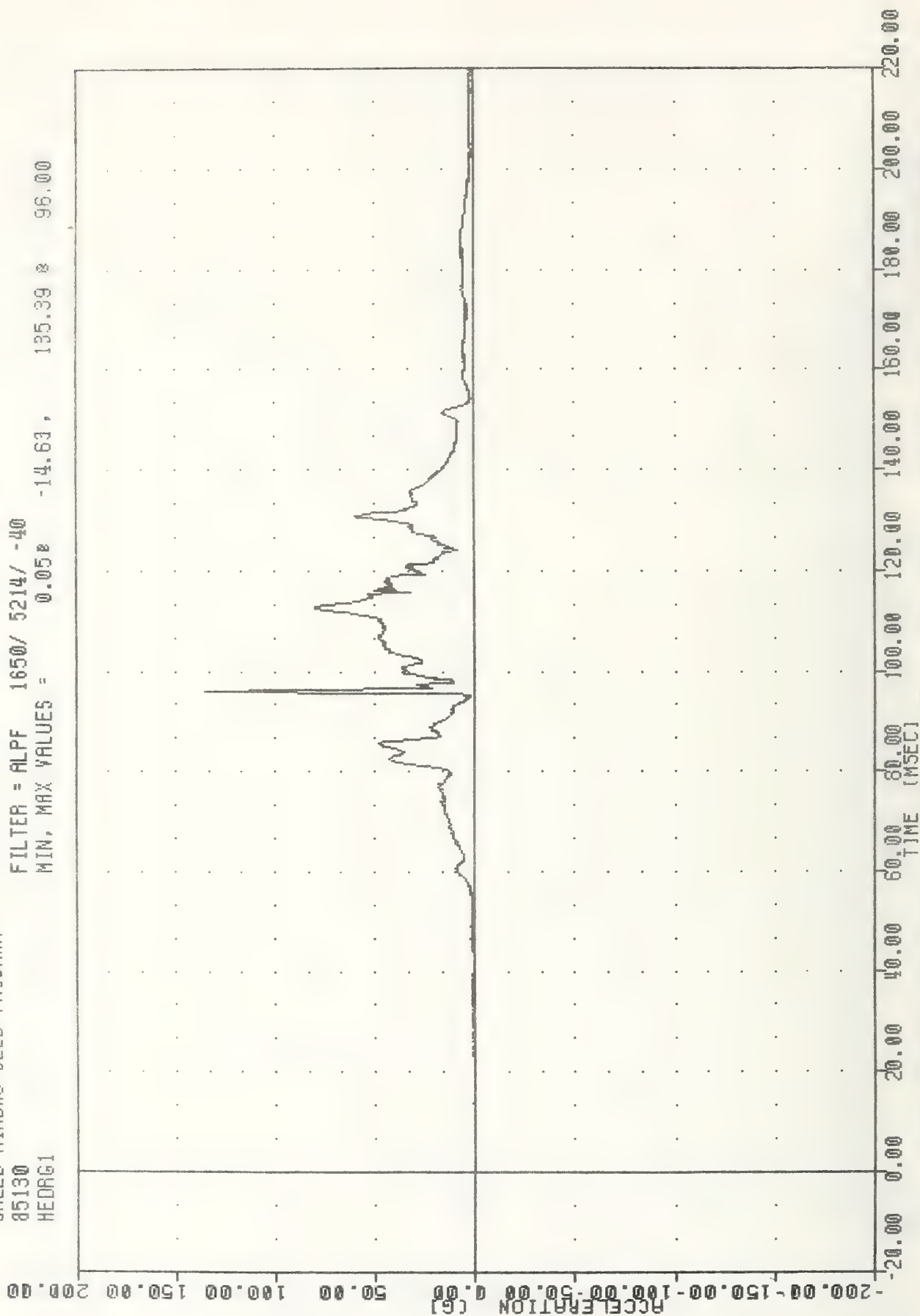


VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
HEDRG1

PLOT DATE 13-MAY-85 10:12:00

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.05g -14.63, 135.39 g 96.00



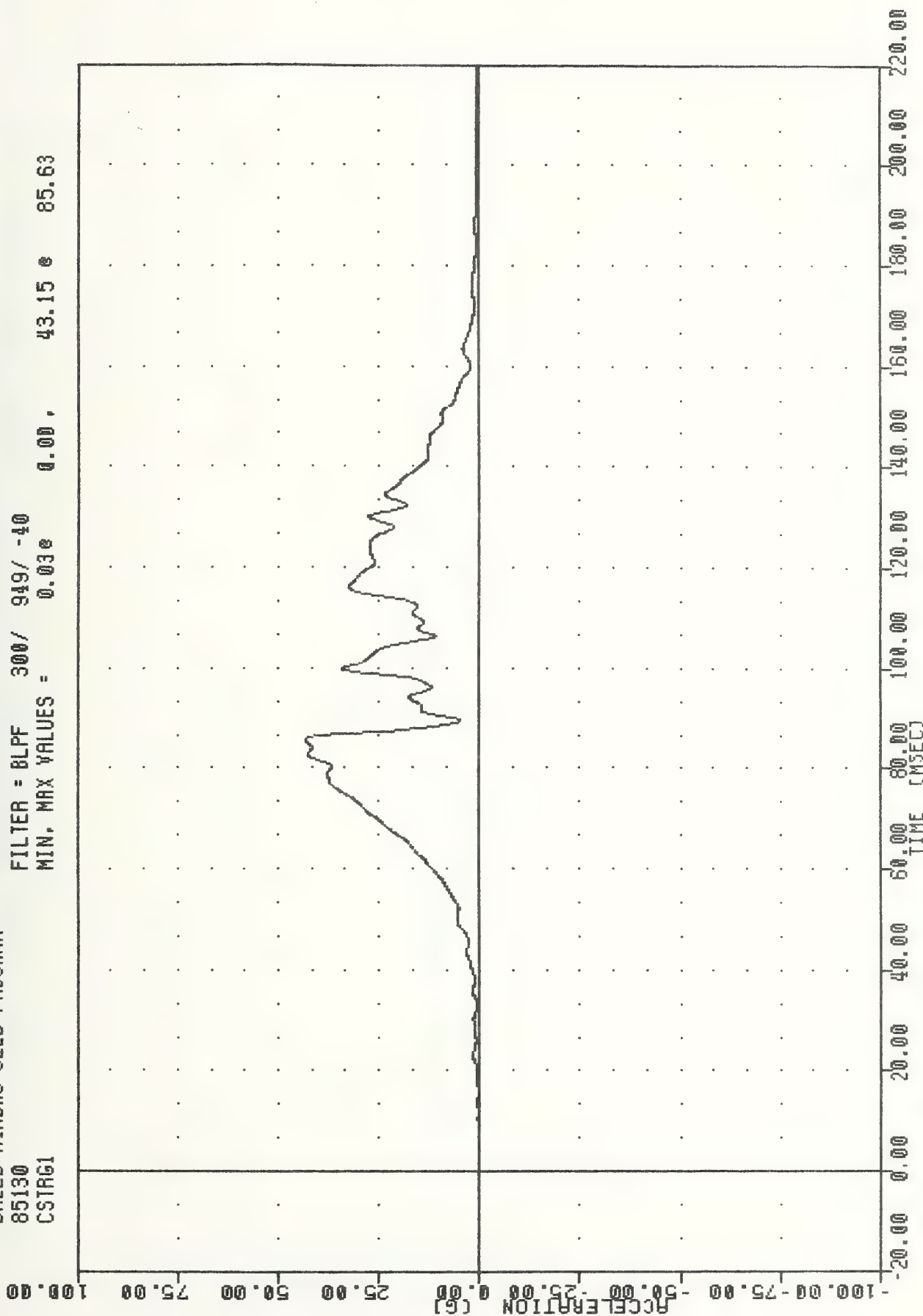
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
CSTRG1

PLOT DATE 13-MAY-85 10:12:00

FILTER = 8LPF 300/ 949/ -40

MIN. MAX VALUES = 0.03e 0.00, 43.15 e 85.63



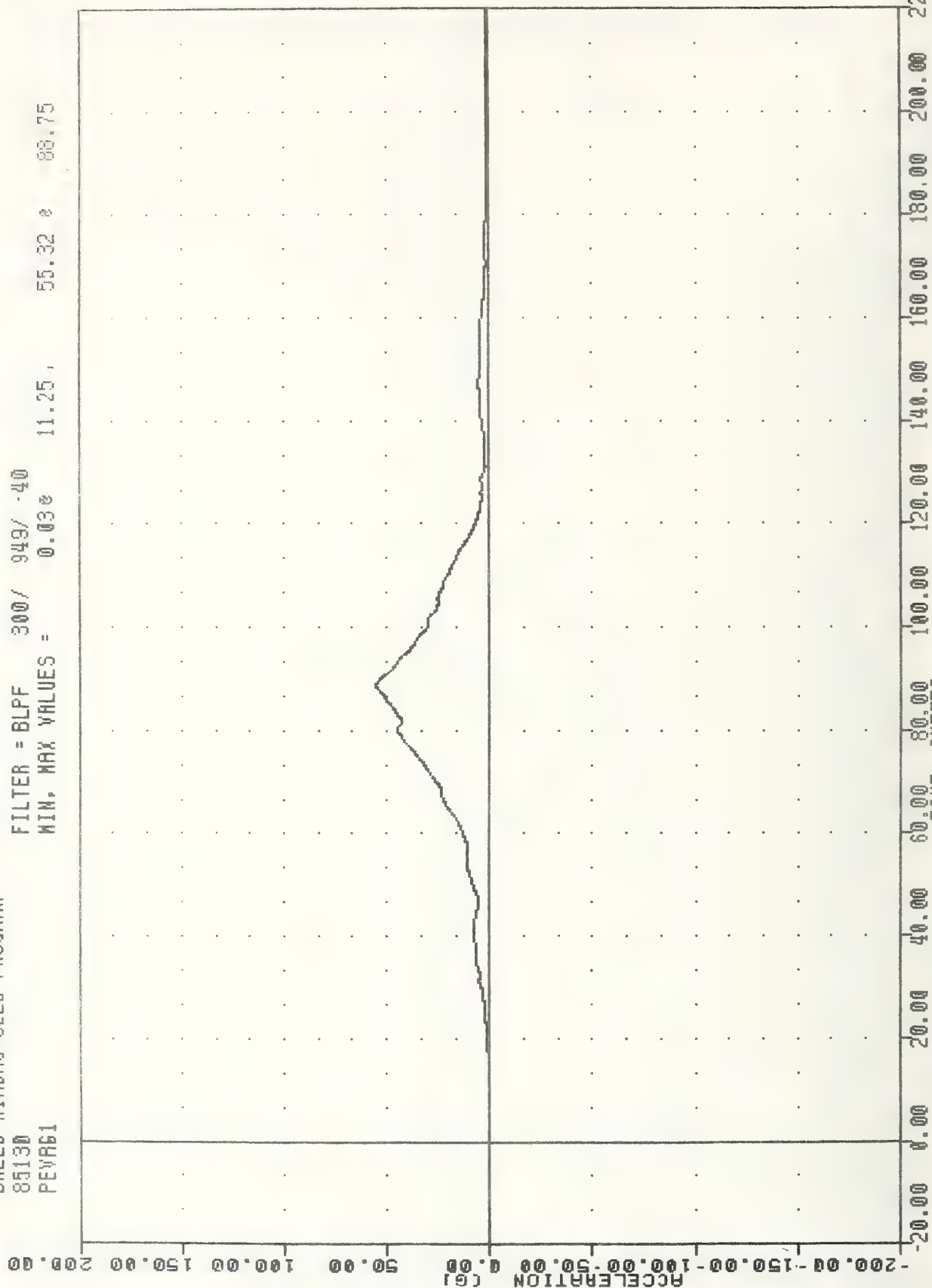
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VRTC RD324-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 PEVR61

PLOT DATE 13-MAY-85 10:12:00

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.03e 11.25 , 55.32 e 88.75



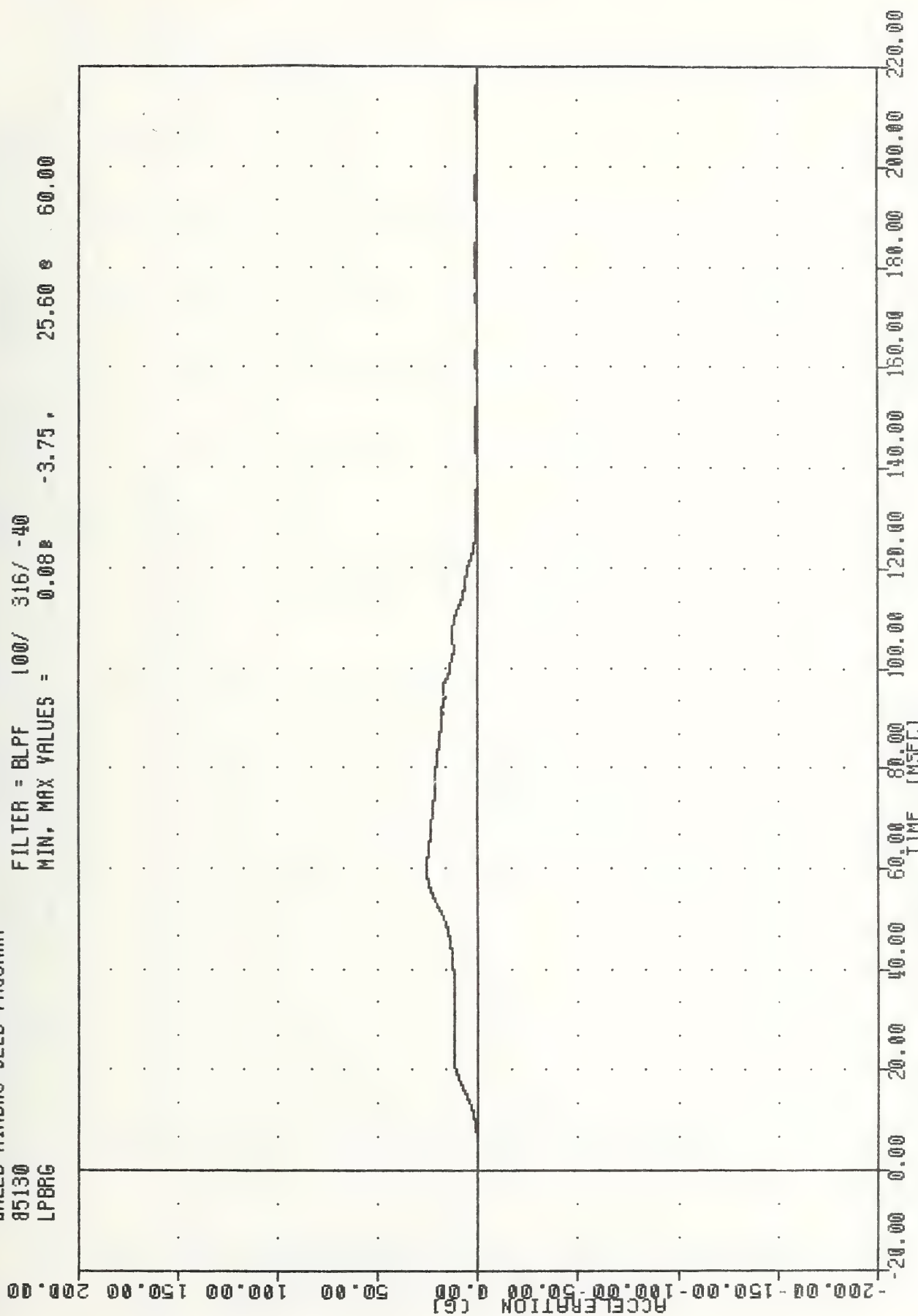
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS RESULTANT

VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
LPBAG

PLOT DATE 13-MAY-85 10:12:00

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.08g -3.75g 25.60g 60.00

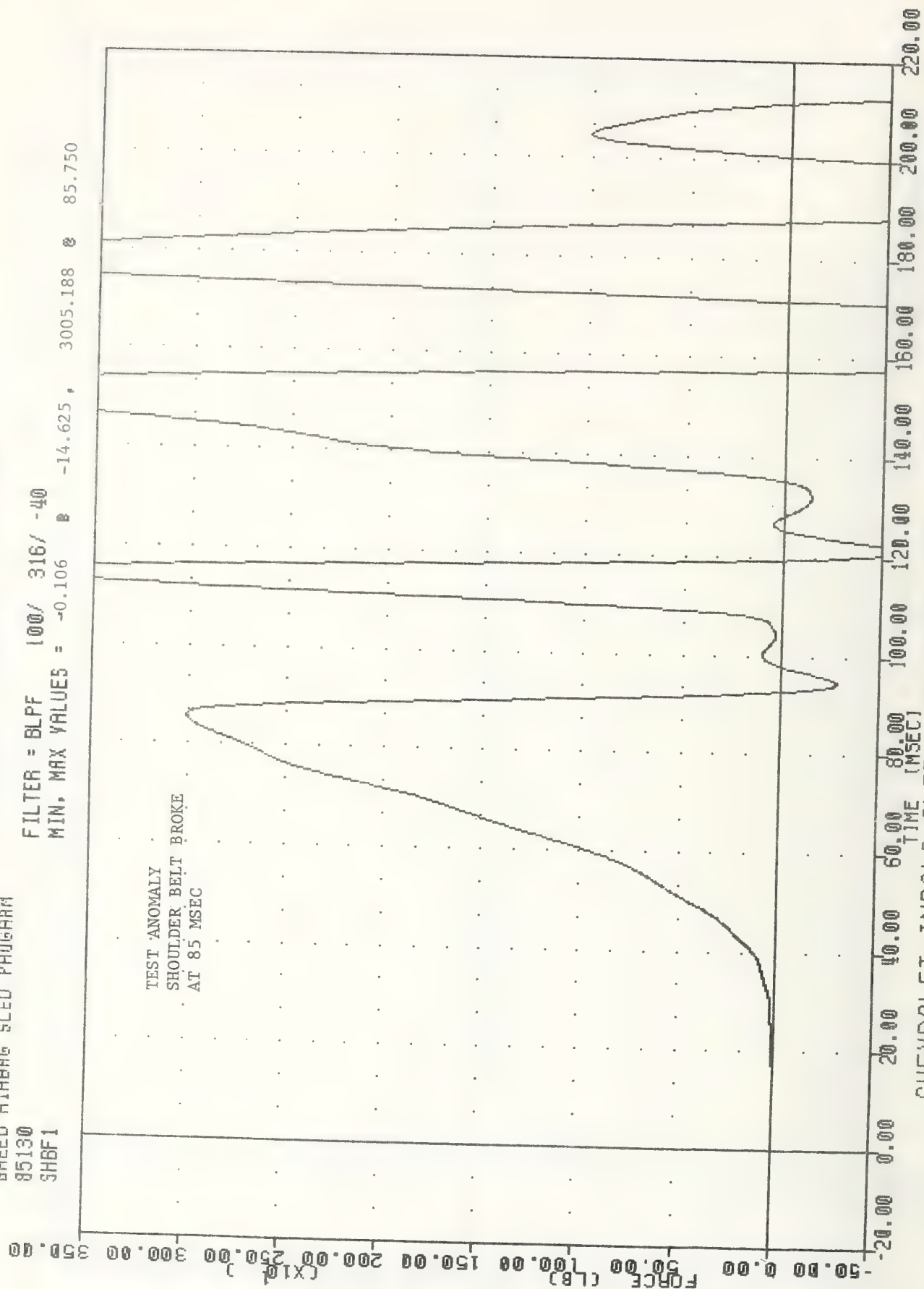


VRTC R0384-4-29
BREED RTHBAG SLED PROGRAM
85130
SHBF1

PLOT DATE 14-MAY-85 11:25:56

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.106 8 -14.625, 3005.188 8 85.750



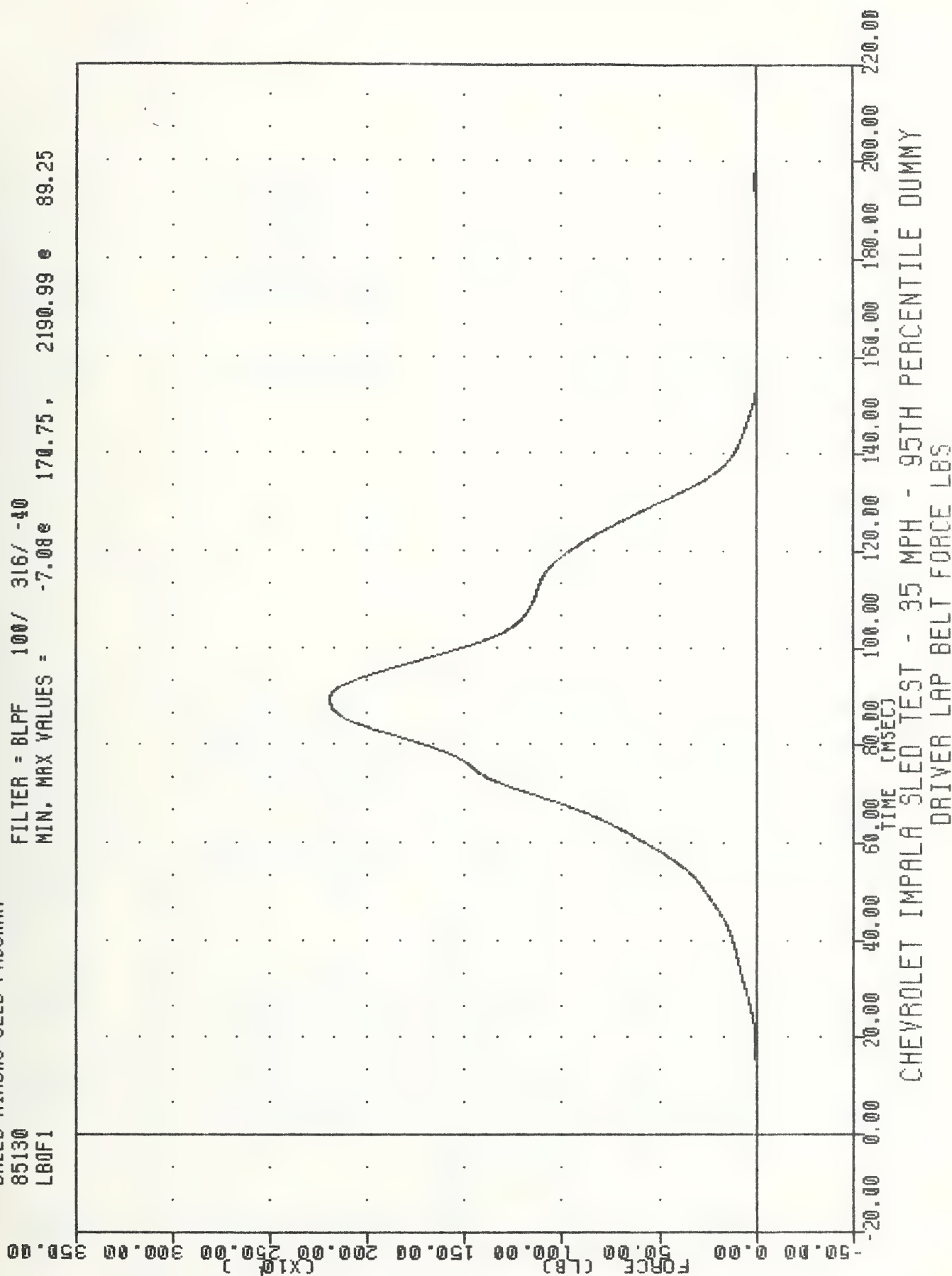
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER SHOULDER BELT FORCE LBS

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 LB0F1

PLOT DATE 14-MAY-85 11:25:56

FILTER = BLPF 100/ 316/ -10

MIN. MAX VALUES = -7.08e 170.75, 2190.99 e 89.25



TRC437P. RAD; 2
VRTC
RD384-4-30 BREED AIRBAG SLED PROGRAM
35.00 mph
16-MAY-85 16:09

		Min value	Max value	Data Units	Filter
1	EVENT	0.059 @ 108.750	1.626 @ -3.625 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-38.147 @ 125.375	0.162 @ -6.250 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.654 @ 57.125	1.521 @ 129.625 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-51.885 @ 118.750	11.476 @ 182.750 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-5.139 @ 97.625	2.155 @ 160.000 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-29.800 @ 124.875	54.816 @ 132.500 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-53.341 @ 117.500	4.135 @ 209.000 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-5.606 @ 90.750	1.543 @ 106.250 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-11.607 @ 113.375	9.306 @ 99.000 msec	g	BLPF 300/ 949/ -40
10	PEVXG1	-51.750 @ 86.000	3.871 @ 138.000 msec	g	BLPF 300/ 949/ -40
11	PEVYG1	-6.641 @ 102.375	7.456 @ 97.000 msec	g	BLPF 300/ 949/ -40
12	PEVZG1	-19.372 @ 105.750	2.434 @ 208.000 msec	g	BLPF 300/ 949/ -40
13	LFMF1	-1545.694 @ 89.375	150.110 @ 197.375 msec	1b	BLPF 1000/ 3162/ -40
14	RFMF1	-1746.901 @ 84.000	65.262 @ 192.375 msec	1b	BLPF 1000/ 3162/ -40
15	STHPG	-146.253 @ 109.875	54.826 @ 92.000 msec	g	BLPF 100/ 316/ -40
16	STHLG	-22.545 @ 112.250	27.772 @ 105.625 msec	g	BLPF 100/ 316/ -40
17	STHIG	-24.052 @ 59.875	49.436 @ 109.875 msec	g	BLPF 100/ 316/ -40
18	LPBVG	-25.459 @ 60.125	1.748 @ 131.125 msec	g	BLPF 100/ 316/ -40
19	LPBVG	-1.808 @ 57.125	2.369 @ 105.750 msec	g	BLPF 100/ 316/ -40
20	LPBZG	-1.510 @ 131.500	1.752 @ 64.500 msec	g	BLPF 100/ 316/ -40
21	ABTP	-0.656 @ 94.125	0.837 @ 62.875 msec	psig	ALPF 1650/ 5214/ -40
22	ABT1	-2.868 @ 62.875	0.002 @ -16.250 msec	volt	ALPF 1650/ 5214/ -40
23	ABT2	-3.320 @ 29.500	0.002 @ -16.875 msec	volt	ALPF 1650/ 5214/ -40
24	ABT3	-0.028 @ 7.625	2.321 @ 195.625 msec	volt	ALPF 1650/ 5214/ -40
25	ABT4	-0.064 @ 0.250	2.616 @ 61.625 msec	volt	ALPF 1650/ 5214/ -40

TRC437P. RAD; 1
VRTC
RD384-4-30 BREED AIRBAG SLED PROGRAM
35.00 mph
14-MAY-85 10:15

		Min value	Max value	Data Units	Filter
1	HEDXV1	-45.114 @ 180.625	0.577 @ 50.000 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-57.474 @ 220.000	0.269 @ 71.125 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-45.727 @ 148.375	-0.138 @ -16.750 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-63.366 @ 220.000	-0.072 @ -20.000 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-37.671 @ 135.000	0.210 @ -8.125 msec	mph	BLPF 300/ 949/ -40
6	PEVVD1	-57.768 @ 220.000	0.206 @ 25.375 msec	in	BLPF 300/ 949/ -40
7	SLDXV1	-37.933 @ 122.375	-0.007 @ -15.750 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-71.221 @ 220.000	-0.004 @ -20.000 msec	in	BLPF 300/ 949/ -40
9	STHPV	-35.902 @ 154.875	-0.062 @ -15.875 msec	mph	BLPF 300/ 949/ -40
10	STHPD	-61.558 @ 220.000	-0.043 @ -20.000 msec	in	BLPF 300/ 949/ -40
11	LPBXV	-37.060 @ 123.875	0.022 @ -14.750 msec	mph	BLPF 300/ 949/ -40
12	LPBXD	-68.434 @ 220.000	0.001 @ -8.500 msec	in	BLPF 300/ 949/ -40

TRC437RP. RAD; 1
VRTC
RD384-4-30 BREED AIRBAG SLED PROGRAM
35.00 mph
14-MAY-85 10:15

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.035 @ -4.250	56.493 @ 132.500 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.026 @ -6.125	53.595 @ 117.375 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.027 @ 5.375	53.237 @ 86.000 msec	g	BLPF 300/ 949/ -40
4	STHRG	0.096 @ -12.125	154.537 @ 109.875 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.130 @ 3.375	25.465 @ 60.125 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC437RP.RAD;1
VRTC RD384-4-30 BREED AIRBAG SLED PROGRAM
85133 35.00 mph

* * * HIC computation for HEDRG1 14-MAY-85 11:10
Using time range = 0.000 to 150.500 msec Peak accel = 56.49 @ 132.500
HIC = 337.87 Interval from 75.500 [765] to 133.500 [1259]
HIC = 155.82 Interval from 112.875 [1064] to 126.625 [1174]

R SYSP:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC437RP

File TRC437RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-30 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC437RP.RAD;1 VRTC RD384-4-30
BREED AIRBAG SLED PROGRAM 35.0 mph 85133 14-MAY-85 12:52:49
Deltax: 0.125

3 MS CLIP PEAK: 50.83771

Please run LSTRAD on this channel for the full time
and save it to the project manager to double-check peak

Enter channel name -> ^Z

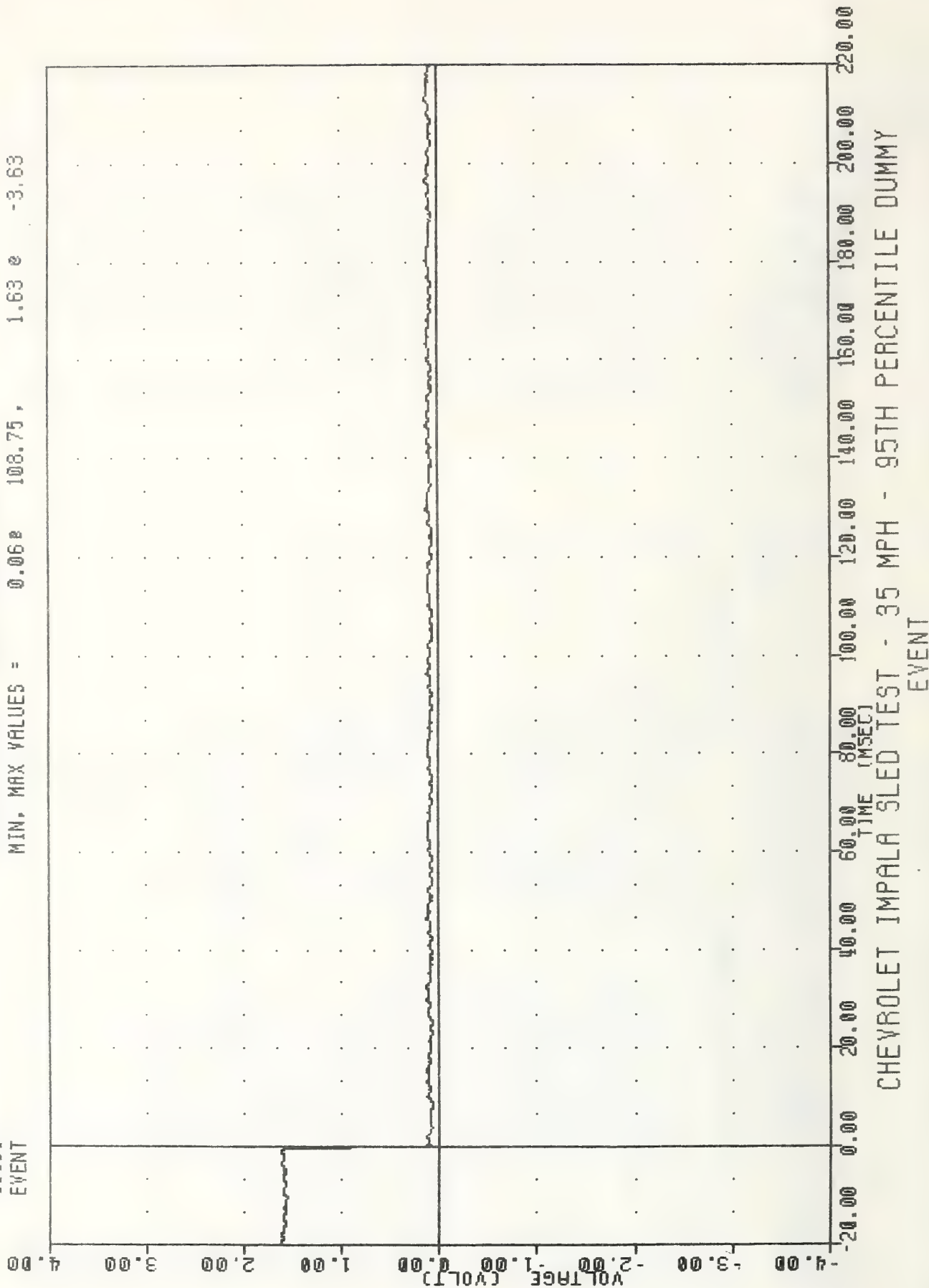
Enter input filespec -> ^Z
\$

VRTC , R0304-4-30
BREED AIRBAG SLED PROGRAM
85133
EVENT

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.068 108.75, 1.63 e -3.63



YRTC , RD384-4-30 PLOT DATE 14-MAY-85 12:48:49

BREED AIRBAG SLED PROGRAM

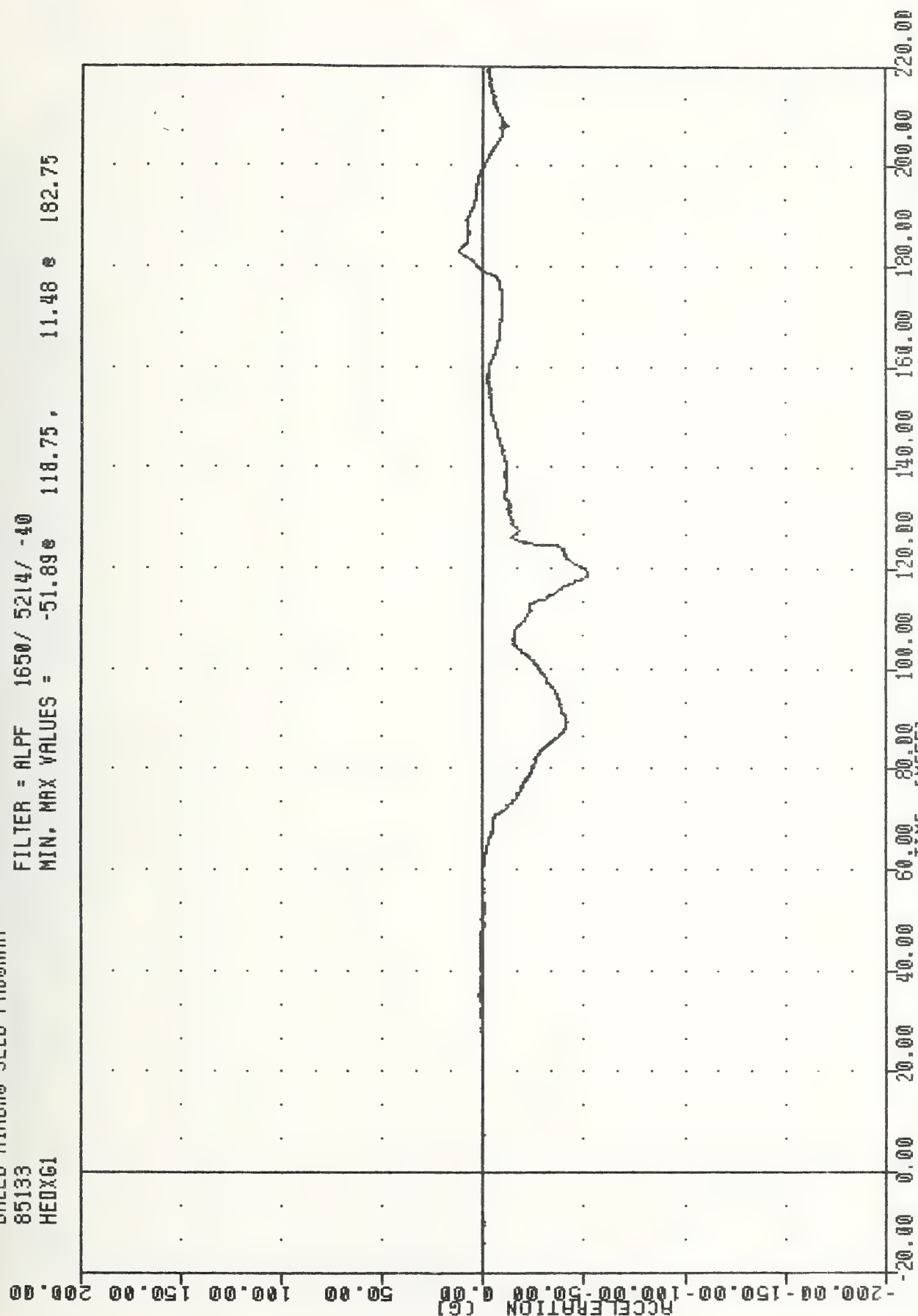
85133

FILTER = ALPF 1650/ 5214/ -40

HEDXG1

MIN. MAX VALUES = -51.89g 118.75 ,

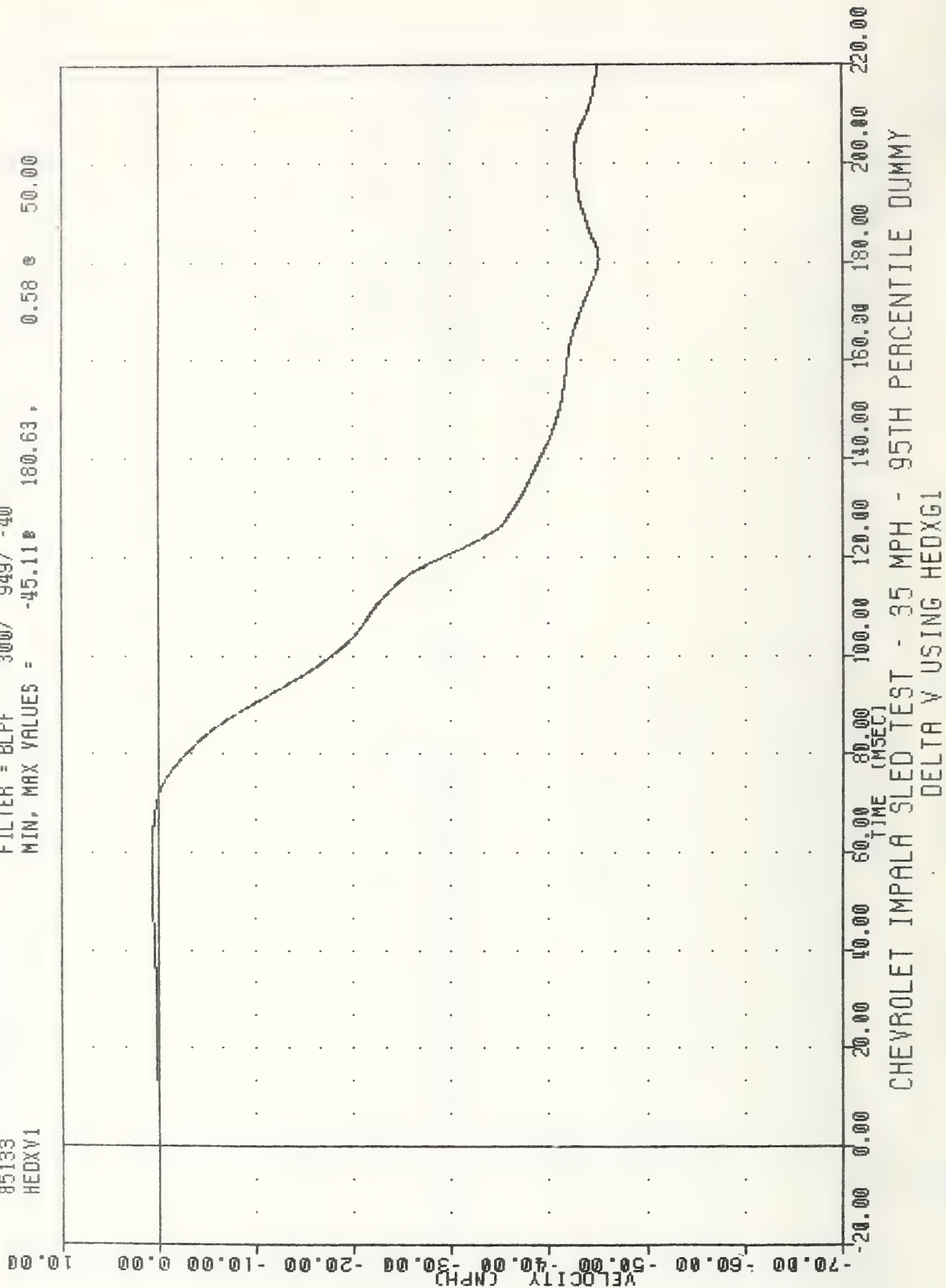
11.48 s 182.75



VRTC , R0384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 HEDXV1

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -45.11 180.63, 0.58 50.00

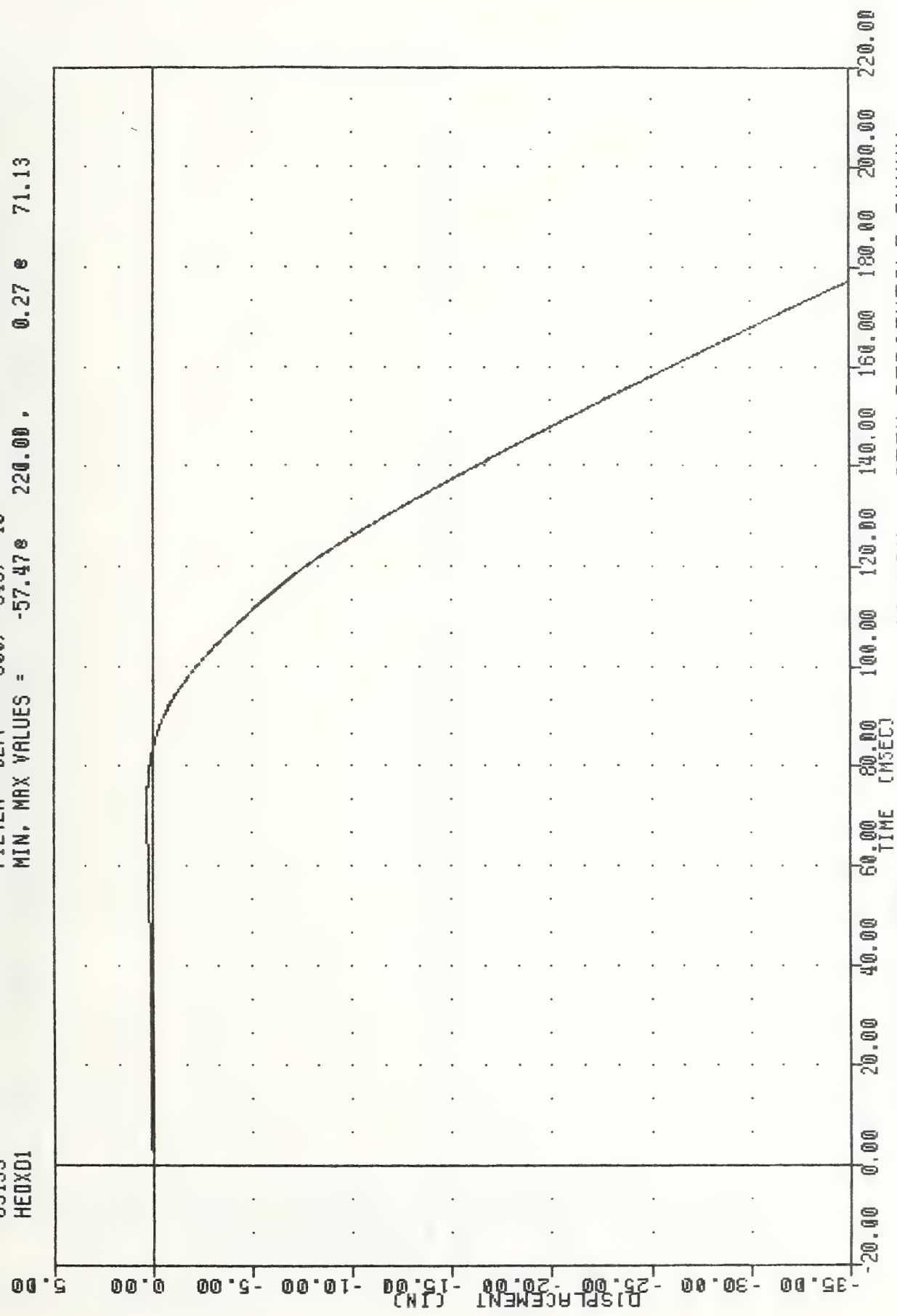


VRTC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 HEDXD1

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -57.47e 220.00, 0.27 e 71.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING HEDXV1

VRTC
 BREED AIRBAG SLED PROGRAM
 85133
 HEDY61

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -5.14e 97.53, 2.16 e 150.00

200.00

150.00

100.00

50.00

0.00

-50.00

-100.00

-150.00

-200.00

(G)

ACCELERATION

-20.00

0.00

20.00

40.00

60.00

80.00

100.00

120.00

140.00

160.00

180.00

200.00

220.00

TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

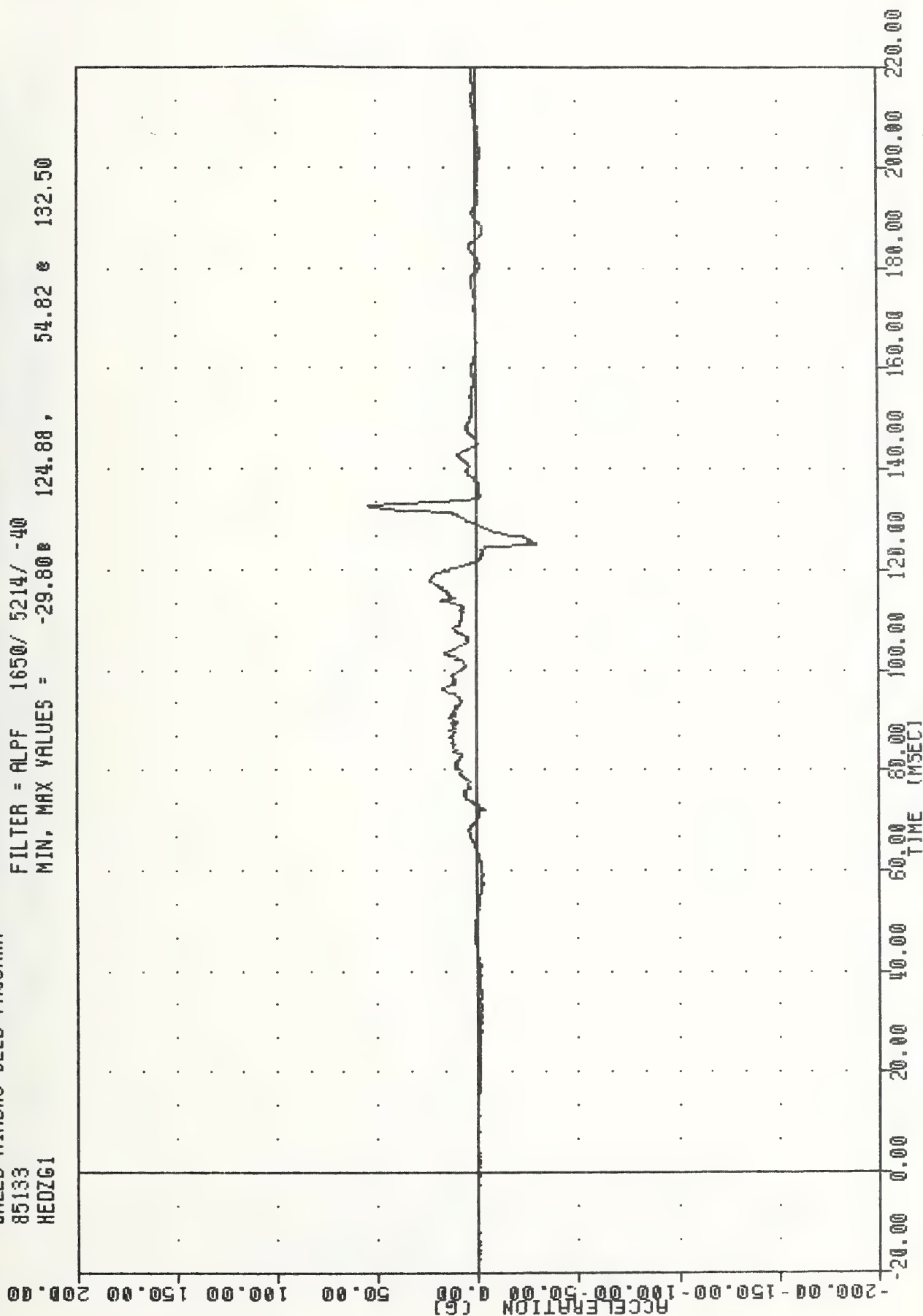
DRIVER HEAD ACCELERATION Y AXIS

VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
HEDZG1

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -29.80 124.88 , 54.82 @ 132.50

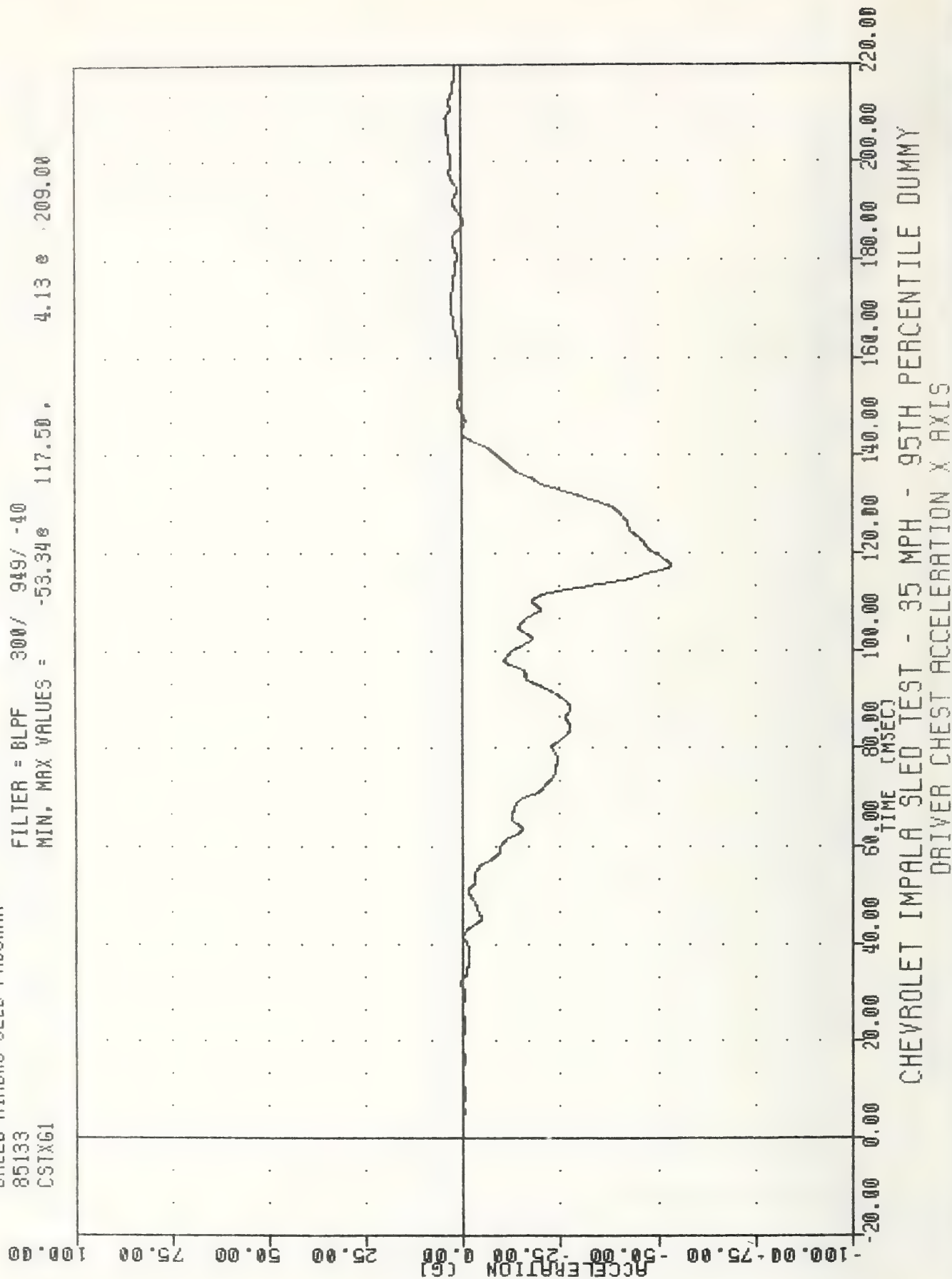


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
CSTXG1

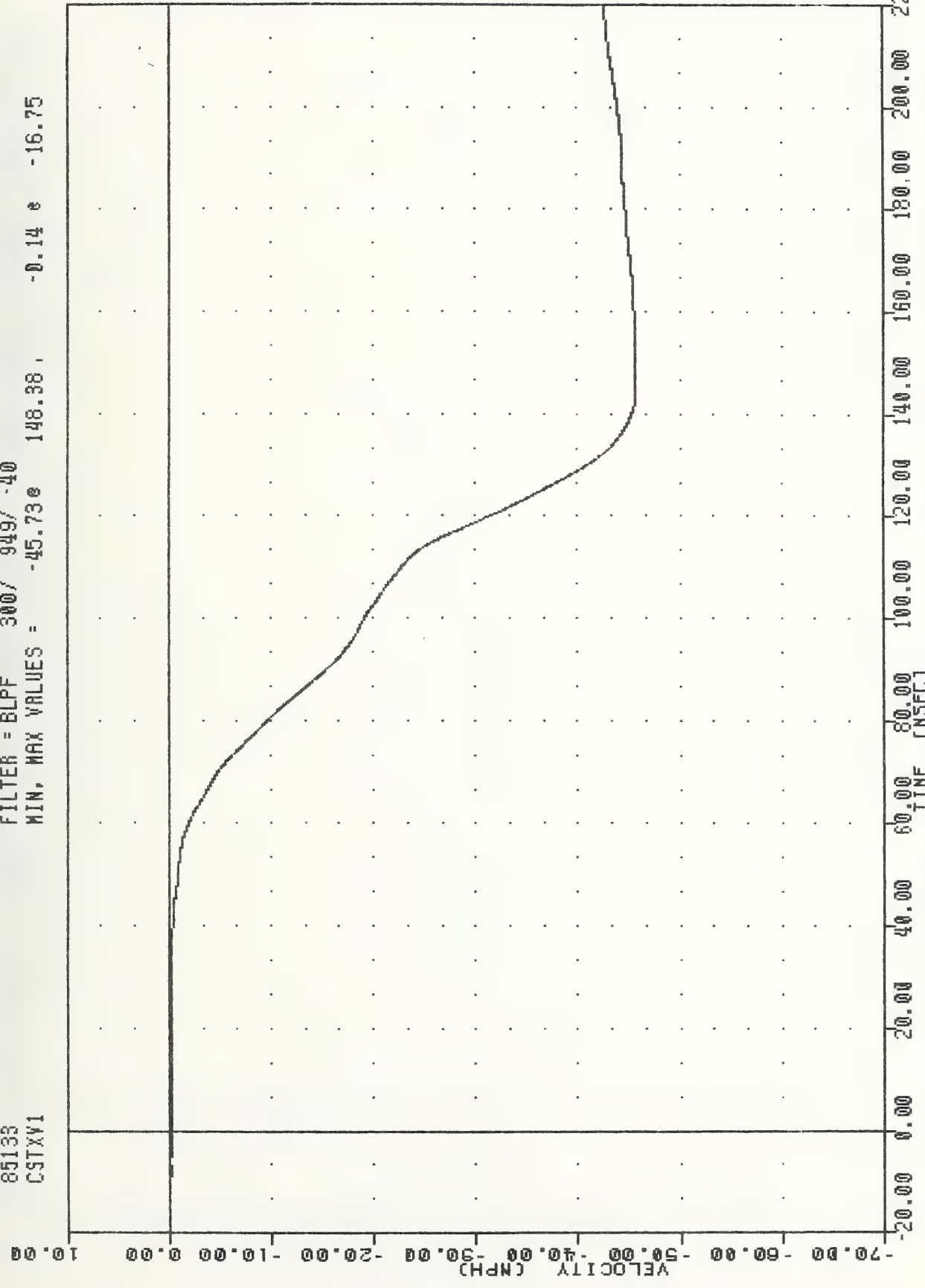
PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -53.348 117.50 4.13 e 209.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VRTC , RD384-4-30 PLOT DATE 14-MAY-85 12:50:17
 BREED AIRBAG SLED PROGRAM
 85133
 CSTXV1
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -45.73e 148.38 , -0.14 e -16.75



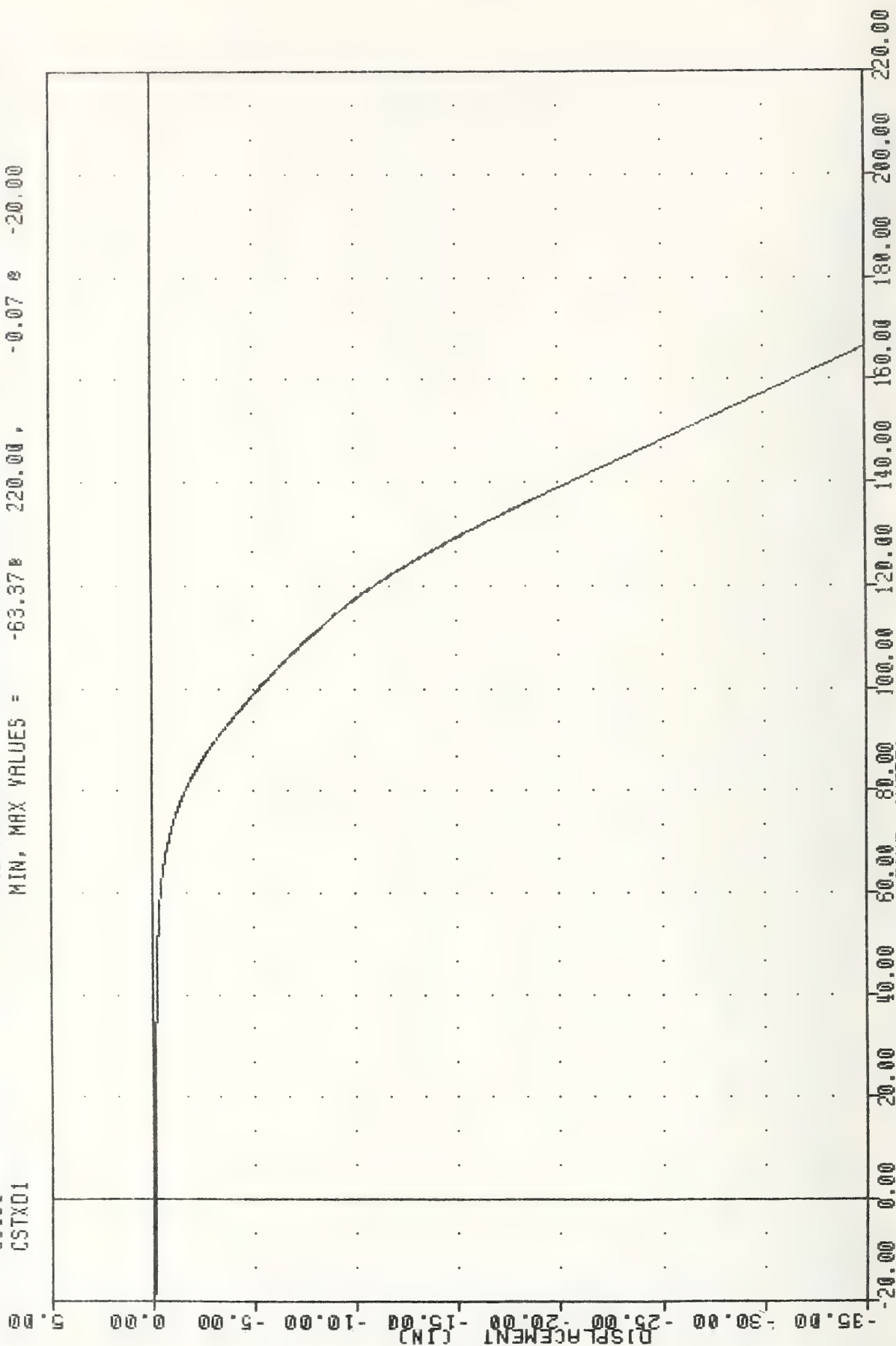
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING CSTXG1

VRTC , R0384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 CSTX01

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -63.37 220.00 -0.07 20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

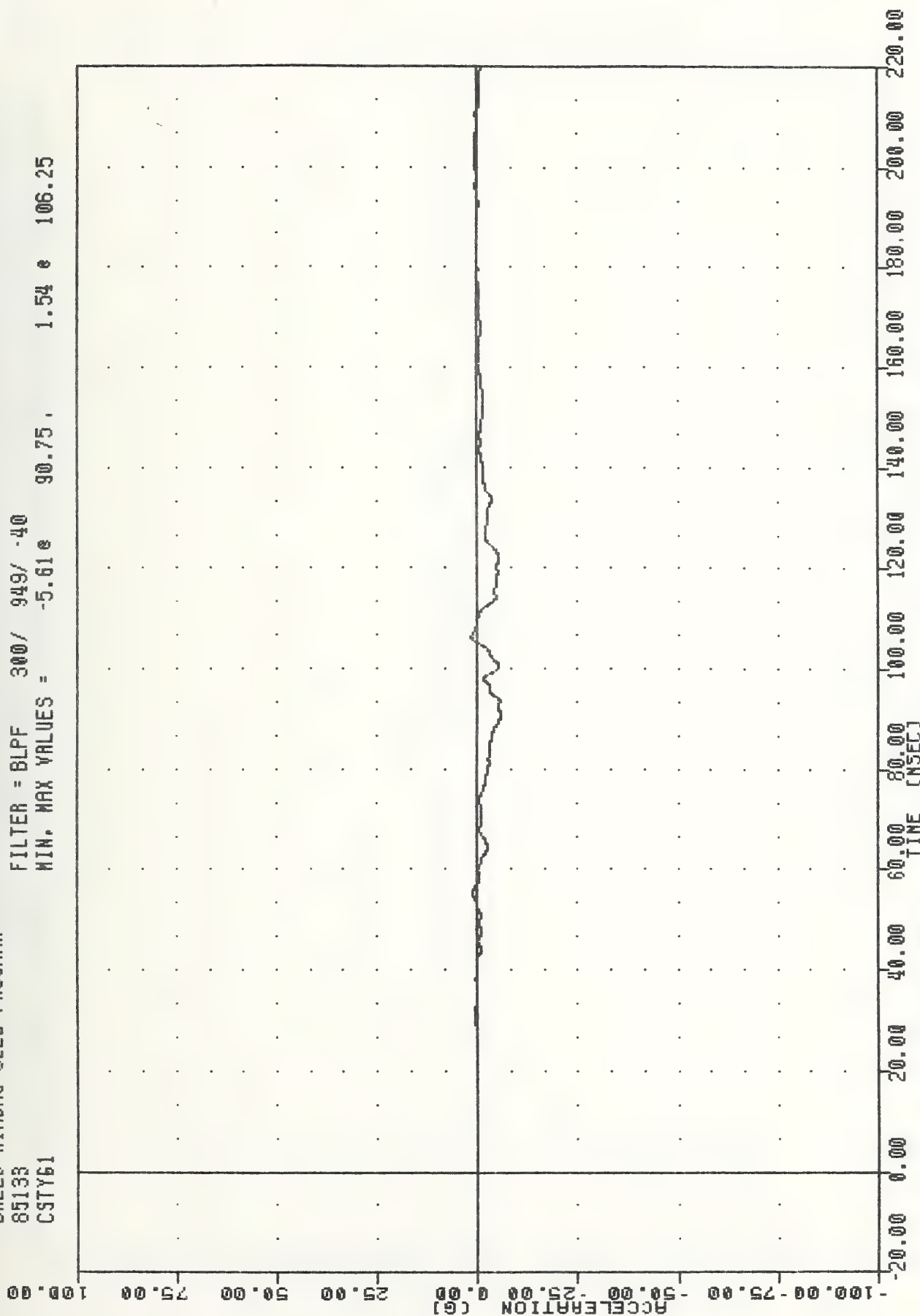
DELTA X USING CSTXV1

VRATC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
CSTY61

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -5.61e 90.75, 1.54 e 106.25

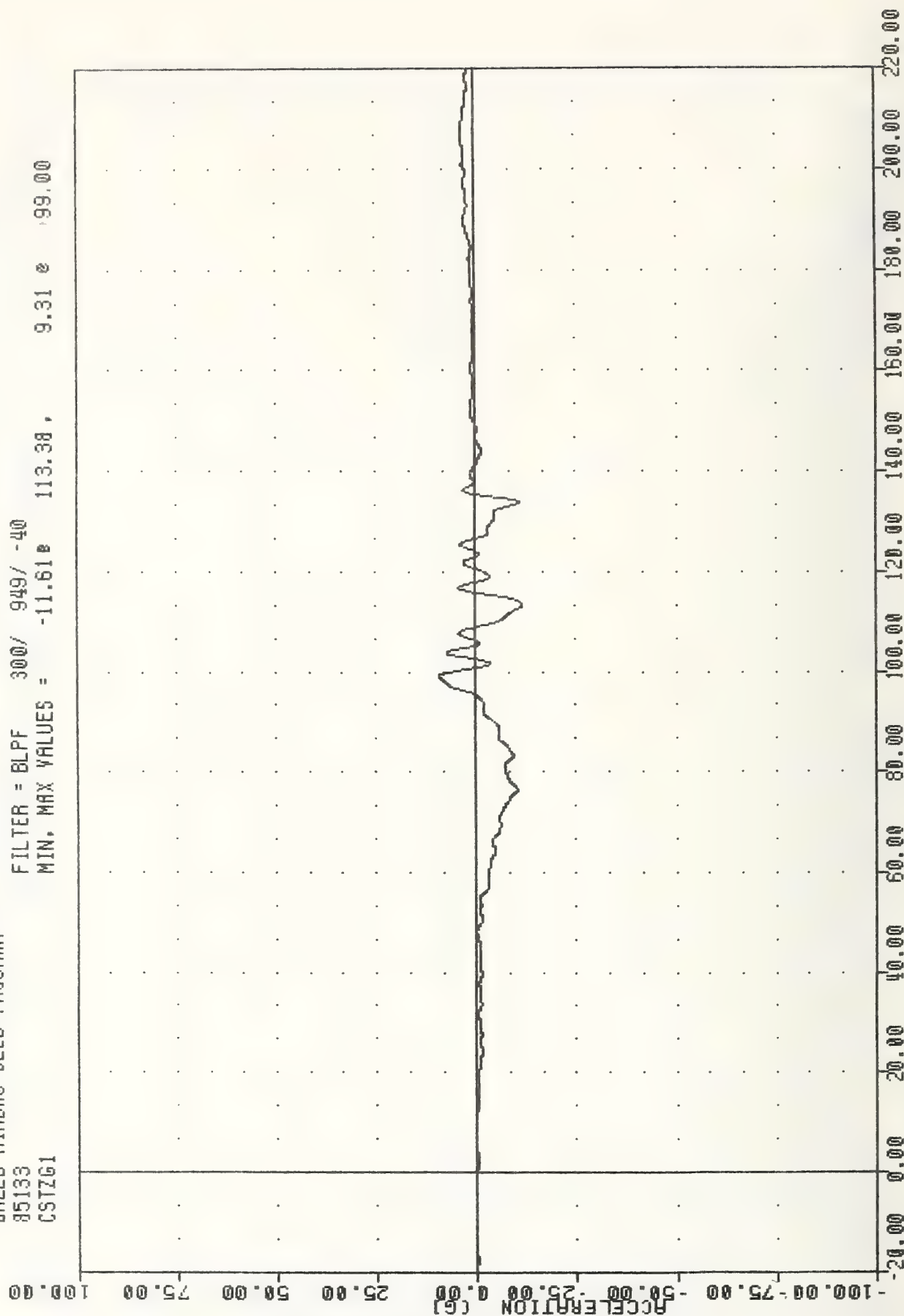


VRTC , R0384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 CSTZG1

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 300/ 949/ -40

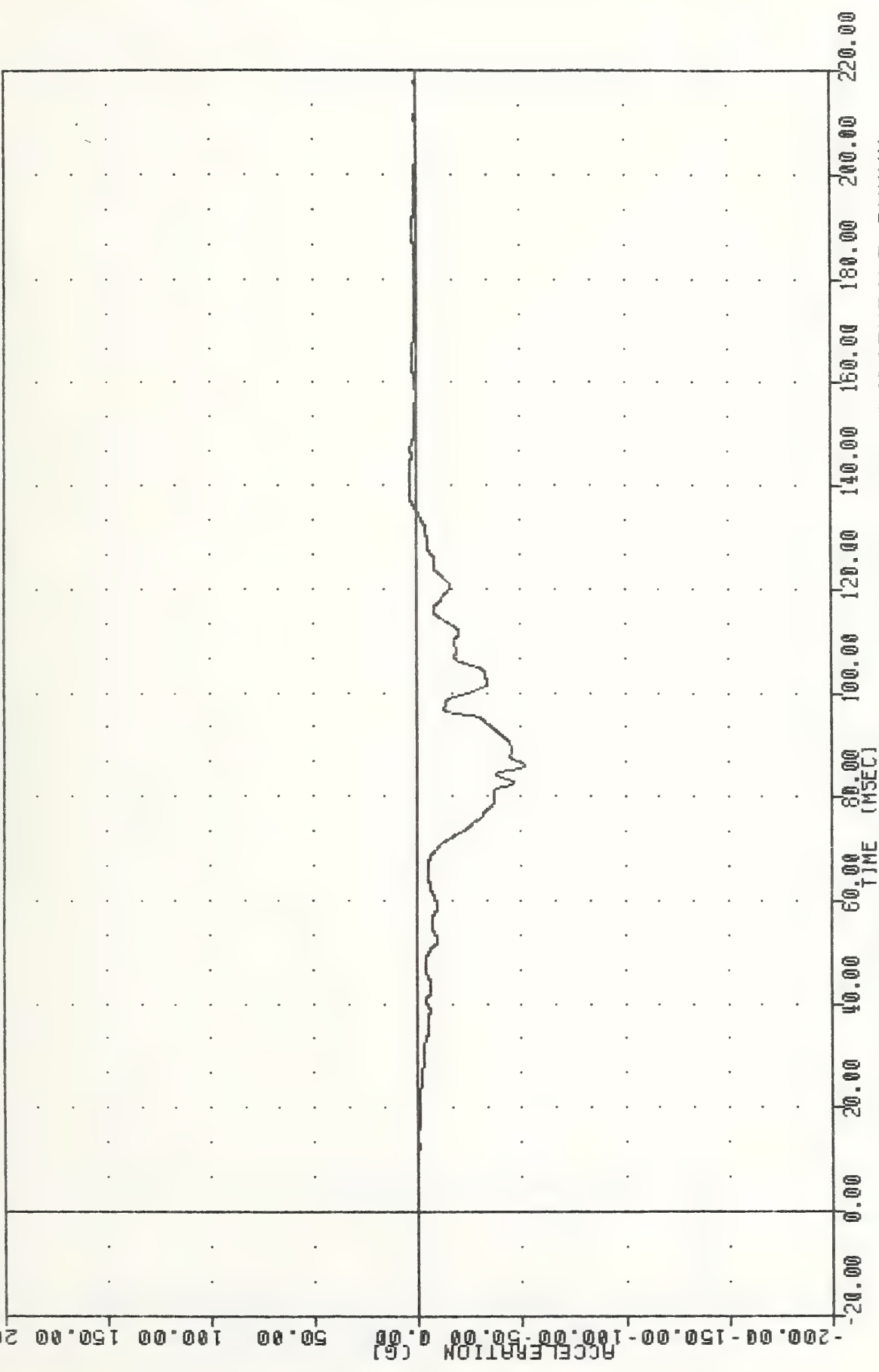
MIN, MAX VALUES = -11.61e 113.38, 9.31 e 99.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
PEVXG1

PLOT DATE 14-MAY-85 12:48:49
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -51.75e 86.00, 3.87 e 138.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

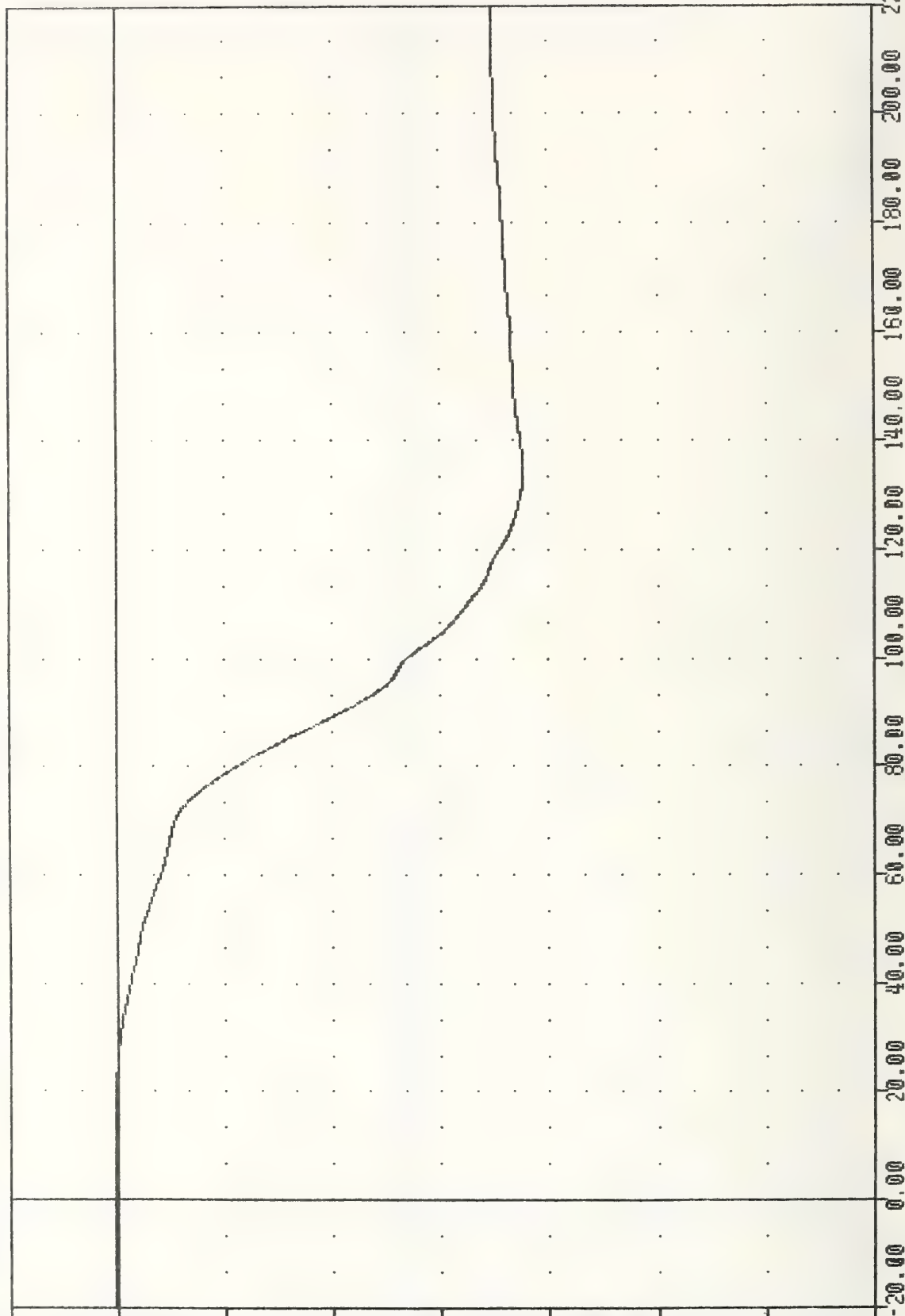
VRIC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 PEVXV1

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -37.67e 135.00, 0.21 e -8.13

VELOCITY (MPH)

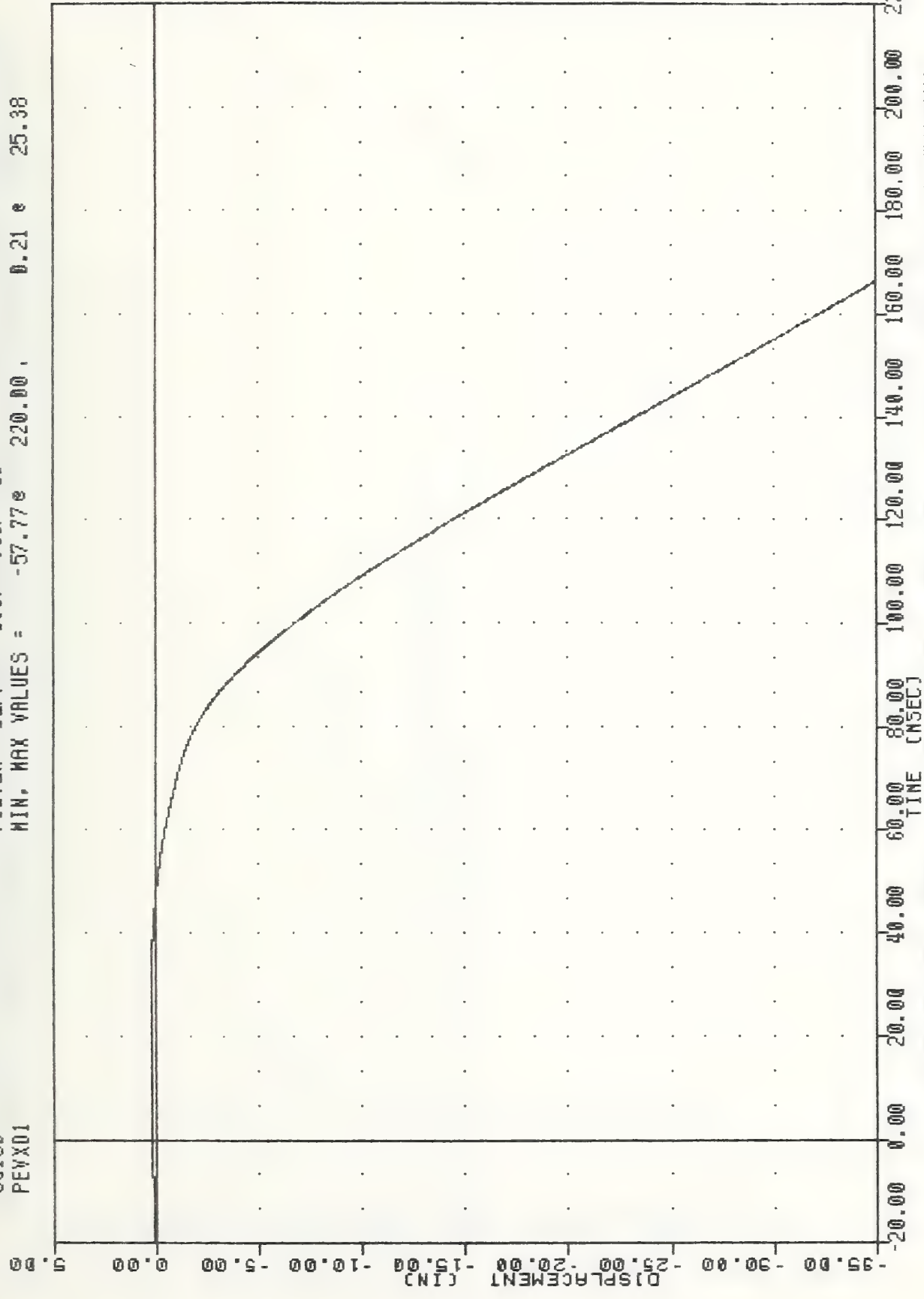


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING PEVXG1

VRIC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
PEVX01

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -57.77e 220.00, 0.21 e 25.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING PEVXV1

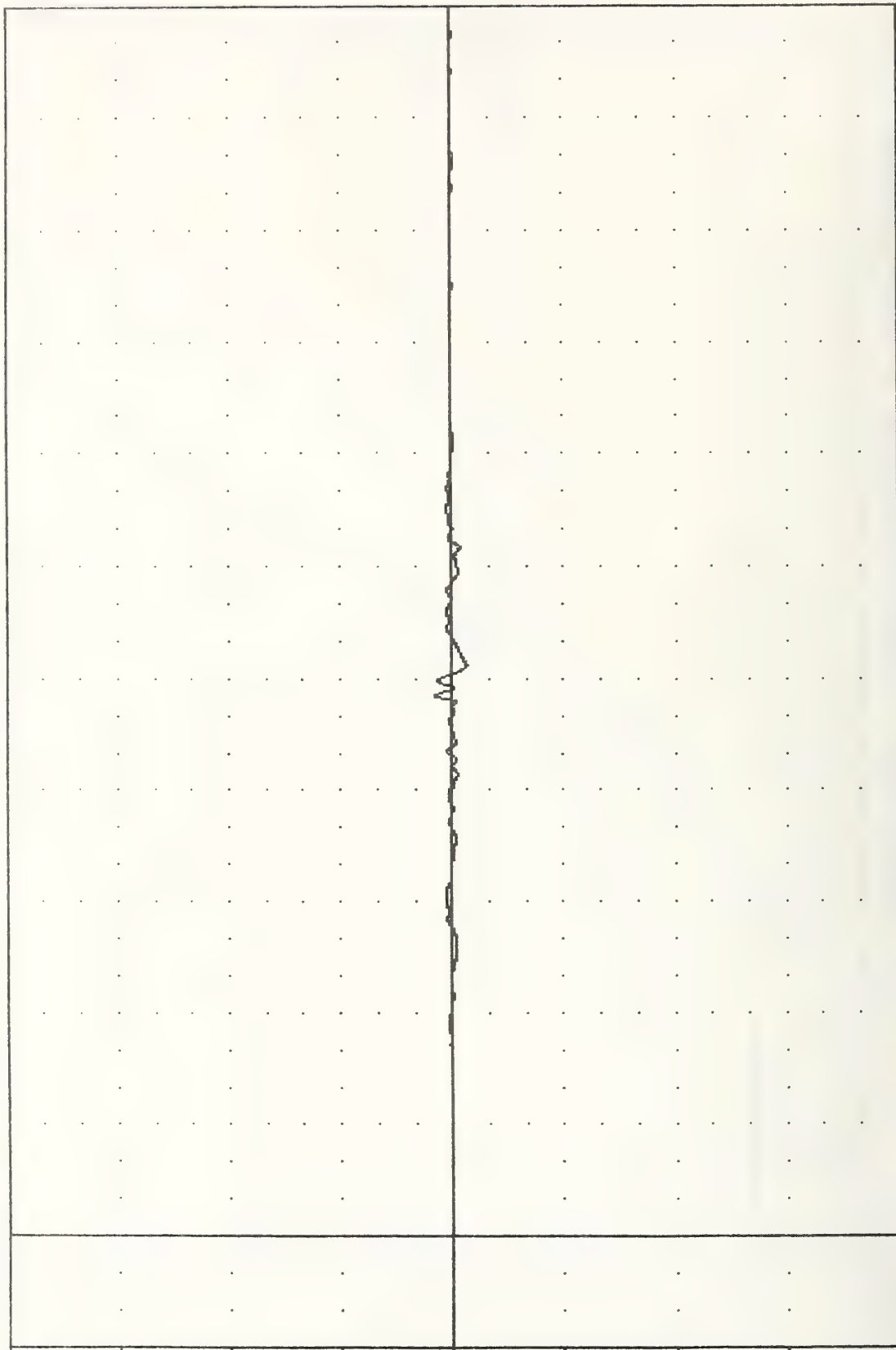
VRTC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 PEYVG1

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -6.64e 102.38, 7.46 e 97.00

ACCELERATION (G)



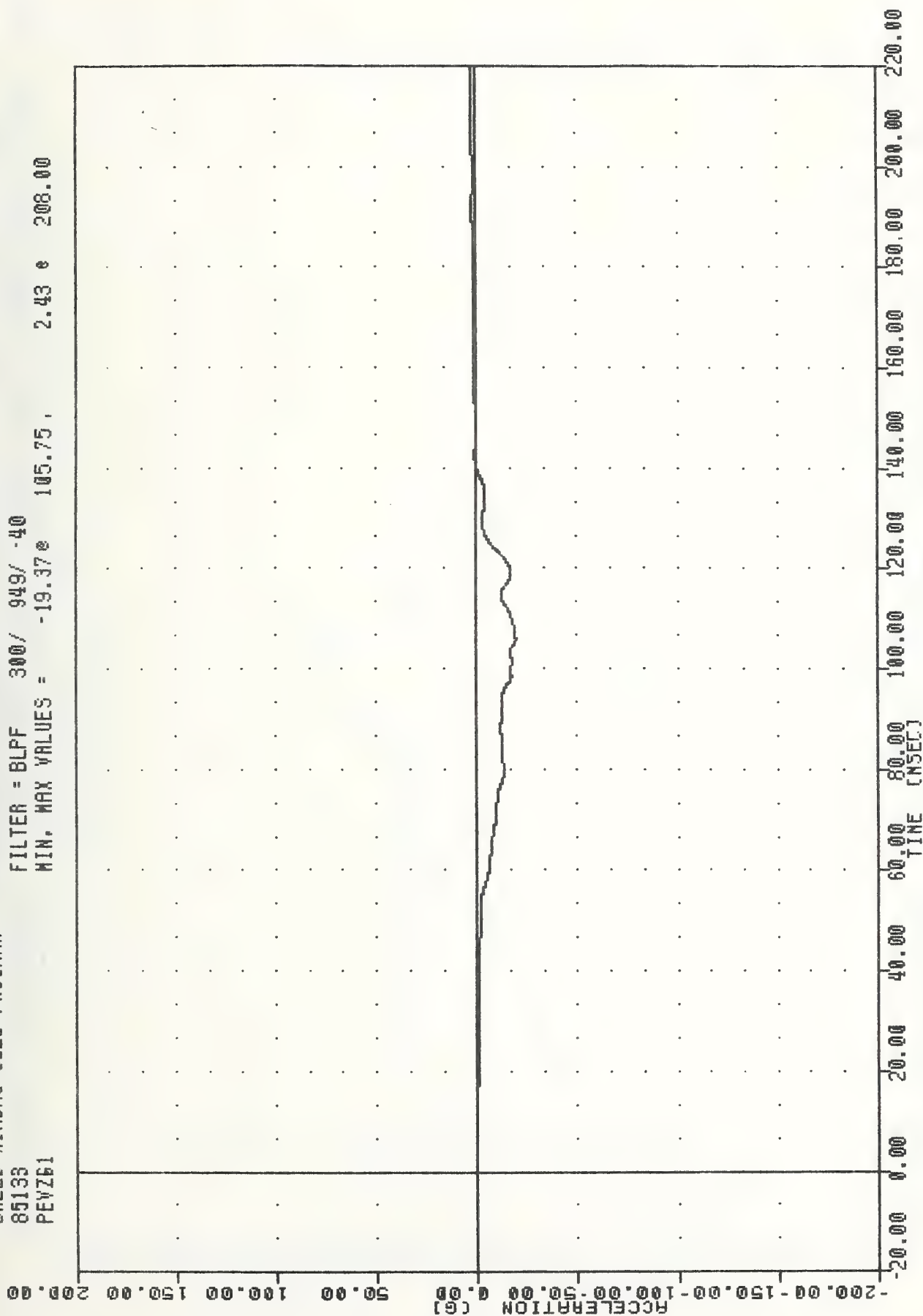
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

VATC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
PEVZ61

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -19.37e 105.75, 2.43 e 208.00

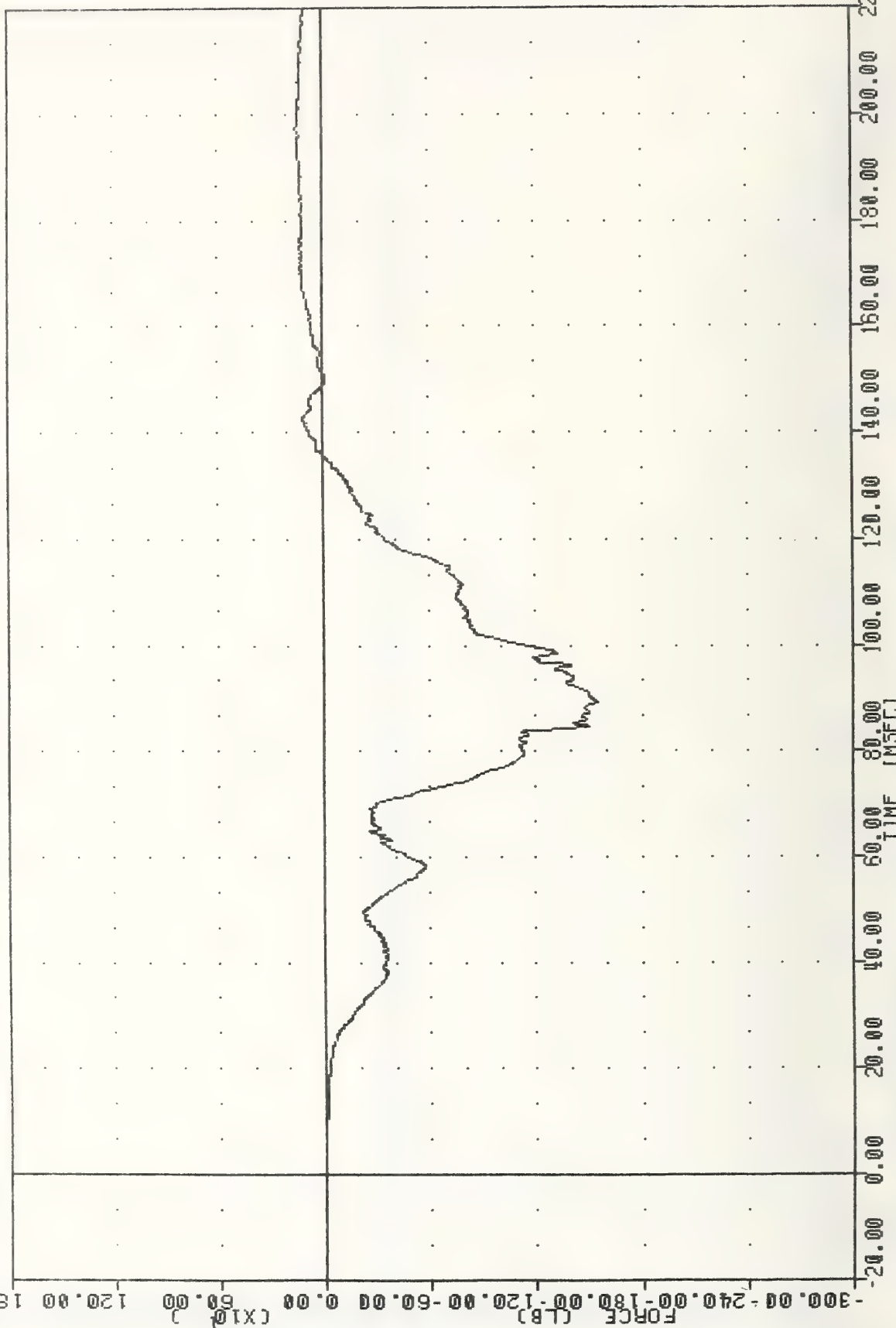


VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
LFMF1

PLOT DATE 14-MAY-85 12:48:49

FORCE (LB)
(X10³)

FILTER = BLPF 1000/ 3162/ -40
MIN, MAX VALUES = -1545.69e 89.38, 150.11 e 197.38



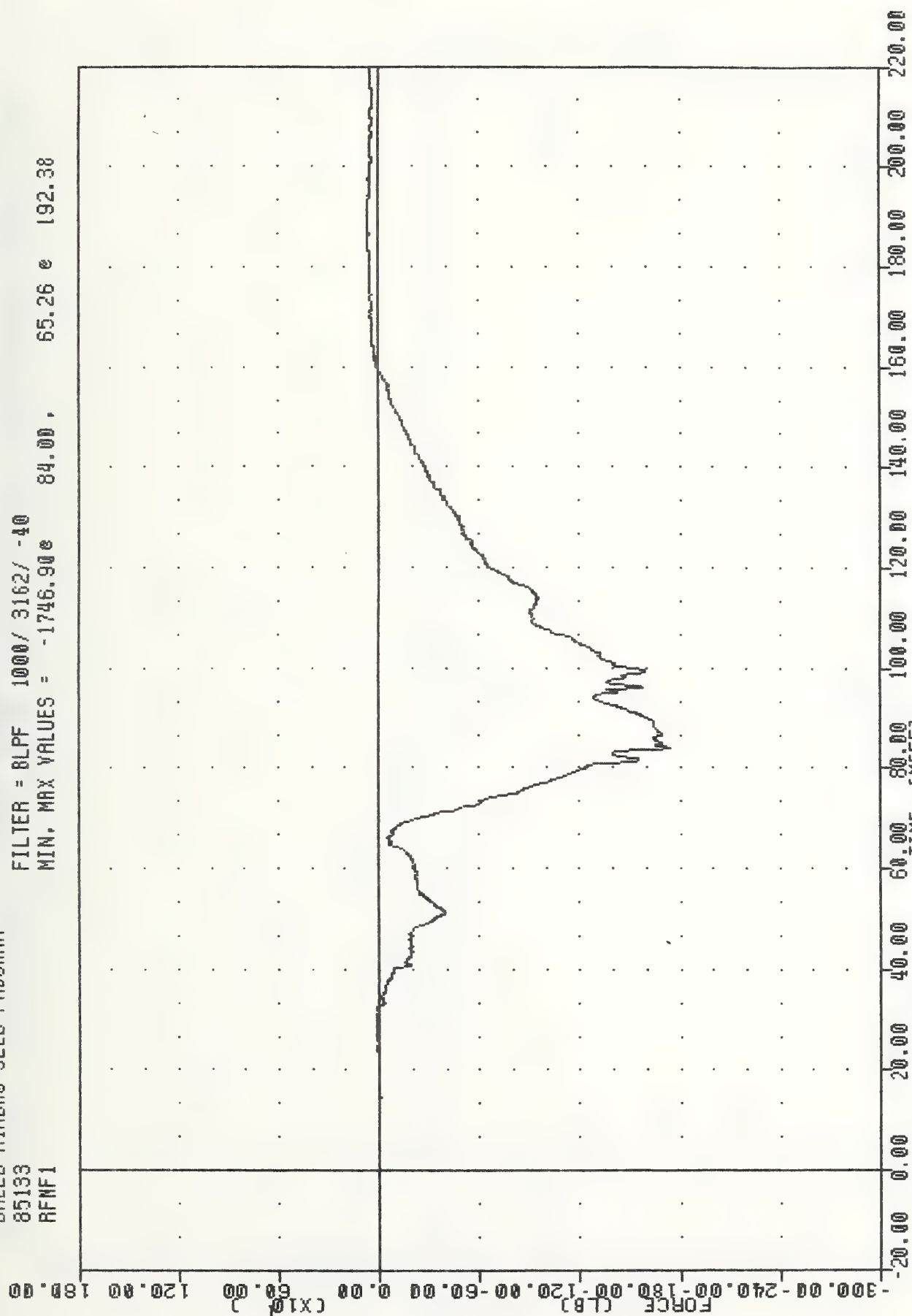
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
RFMF1

PLOT DATE 14-MAY-85 12:48:49

FILTER = 8LPF 1000/ 3162/ -40

MIN, MAX VALUES = -1746.90e 84.00, 65.26 e 192.38

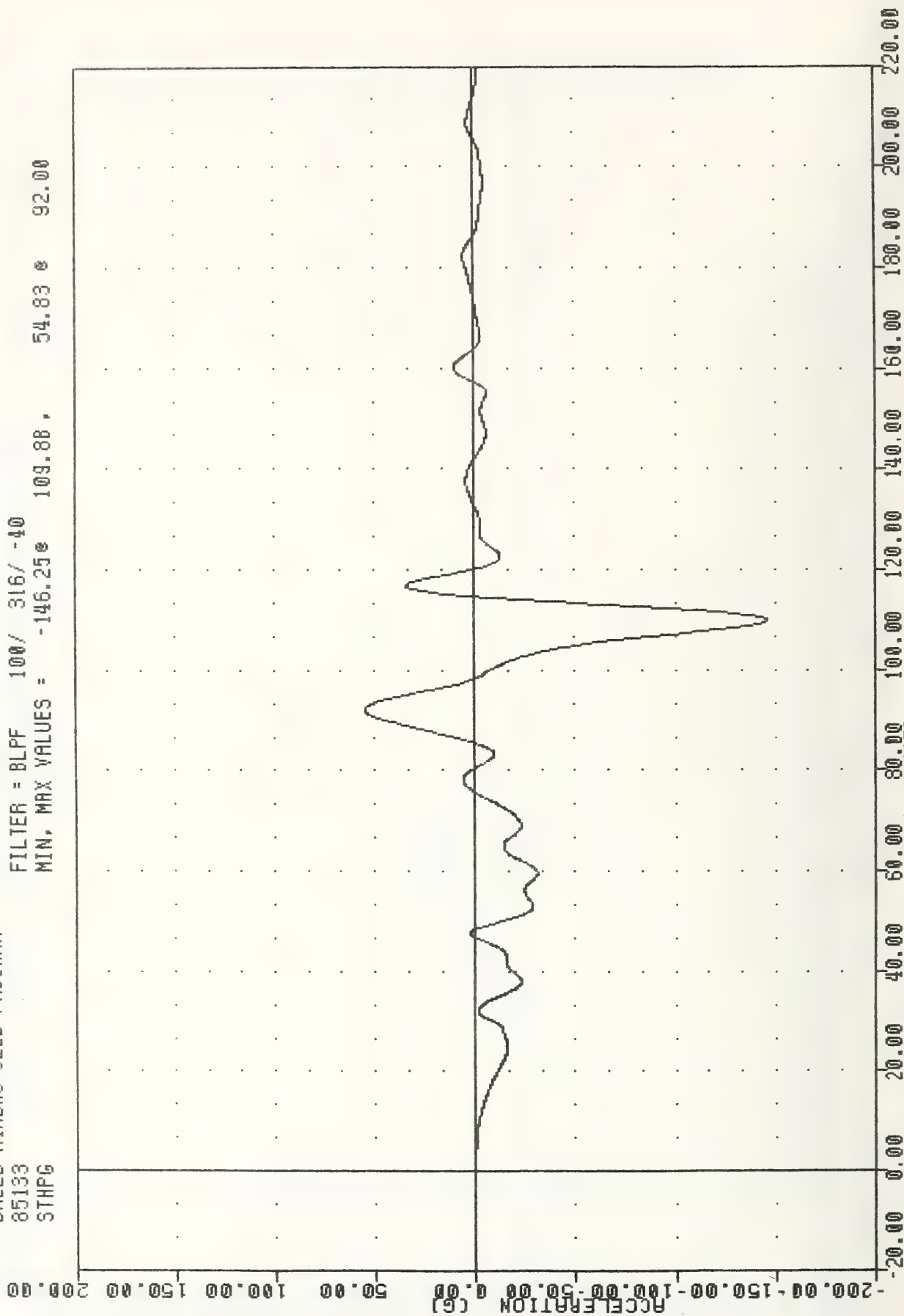


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
STHPG

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -146.25e 109.88 , 54.83 e 92.00

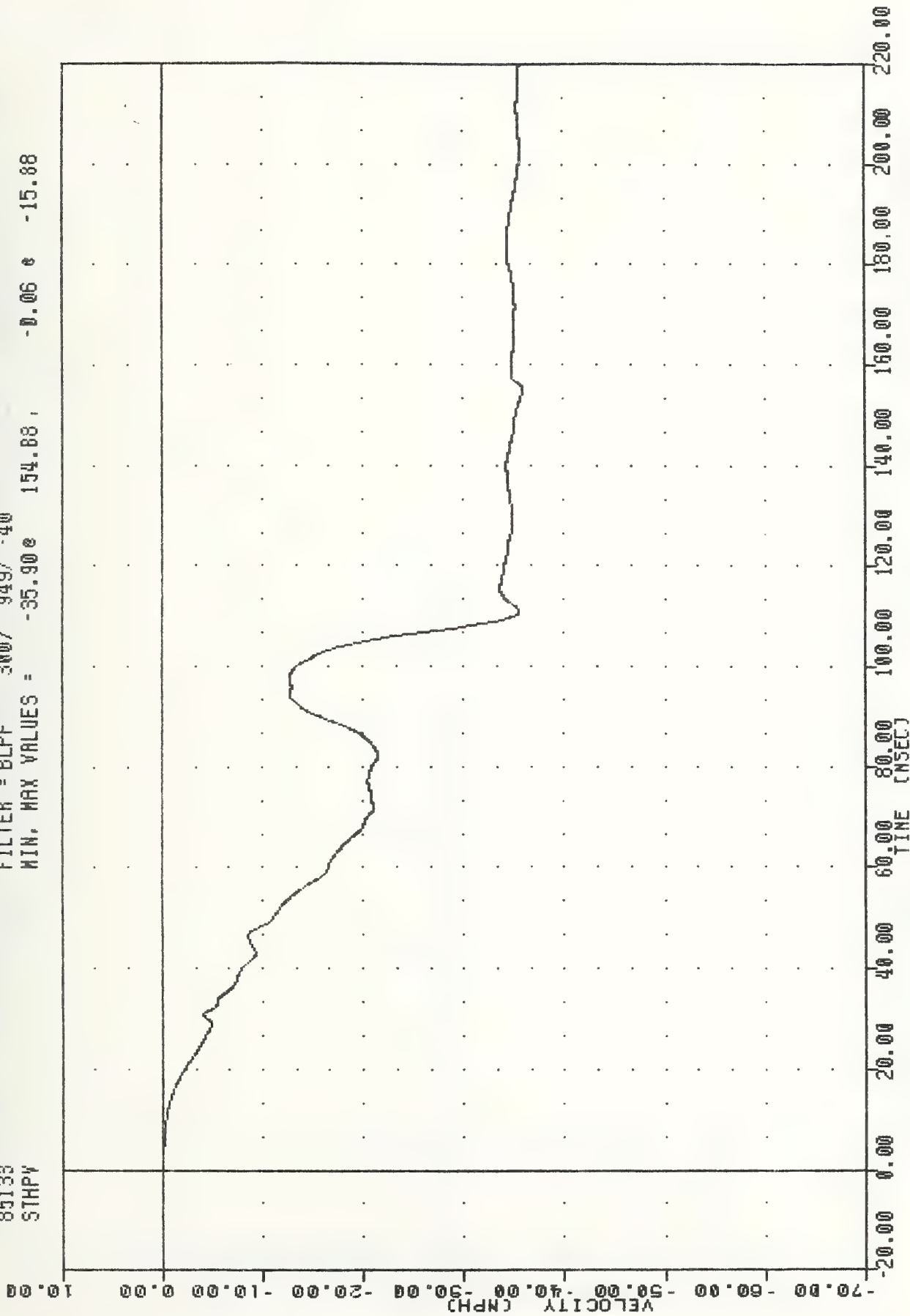


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

VRTC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 STHPW

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -35.90e 154.88 , -0.06 e -15.88



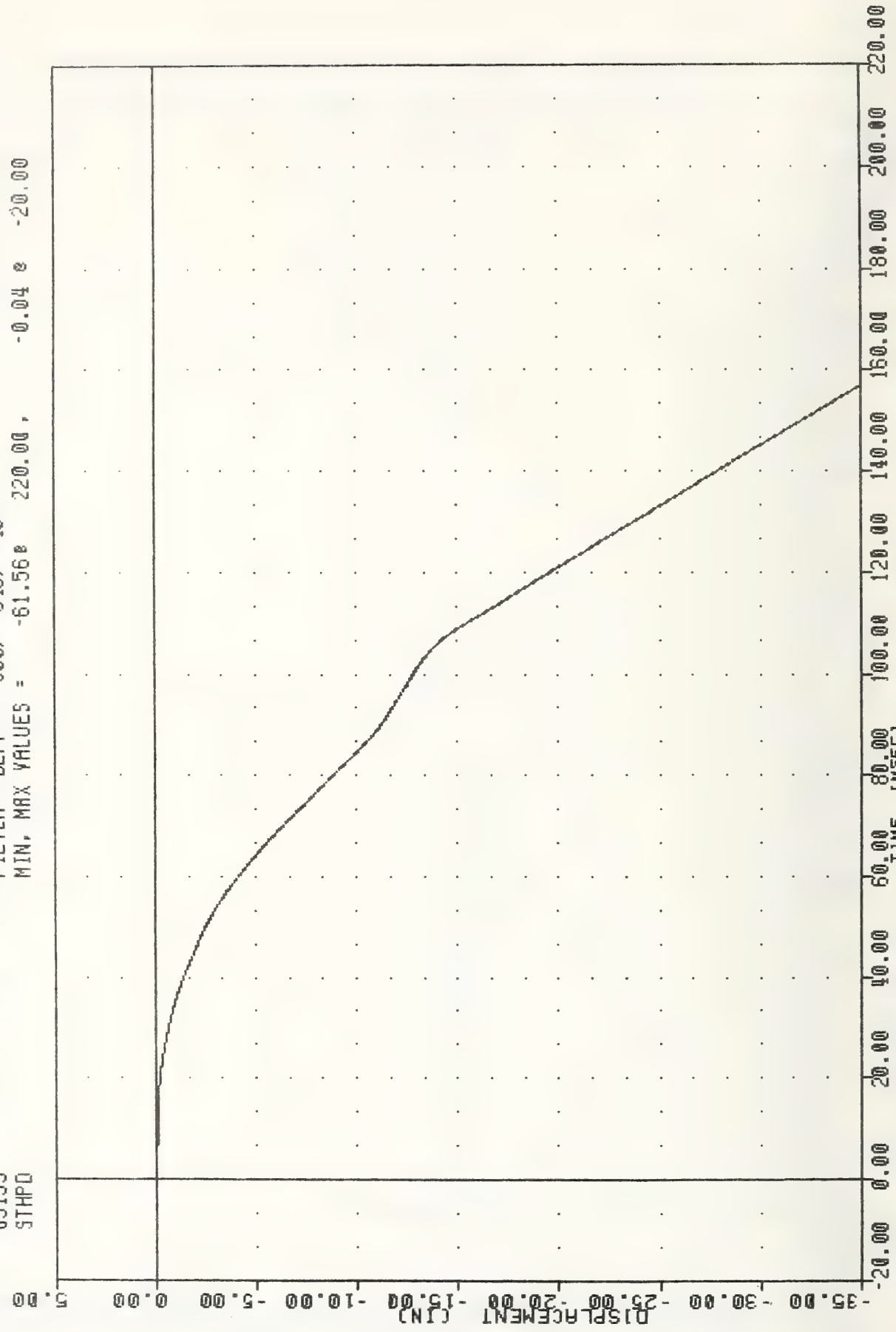
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING STHPG

VRTC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 STHPD

PLOT DATE 14-MAY-85 12:50:17

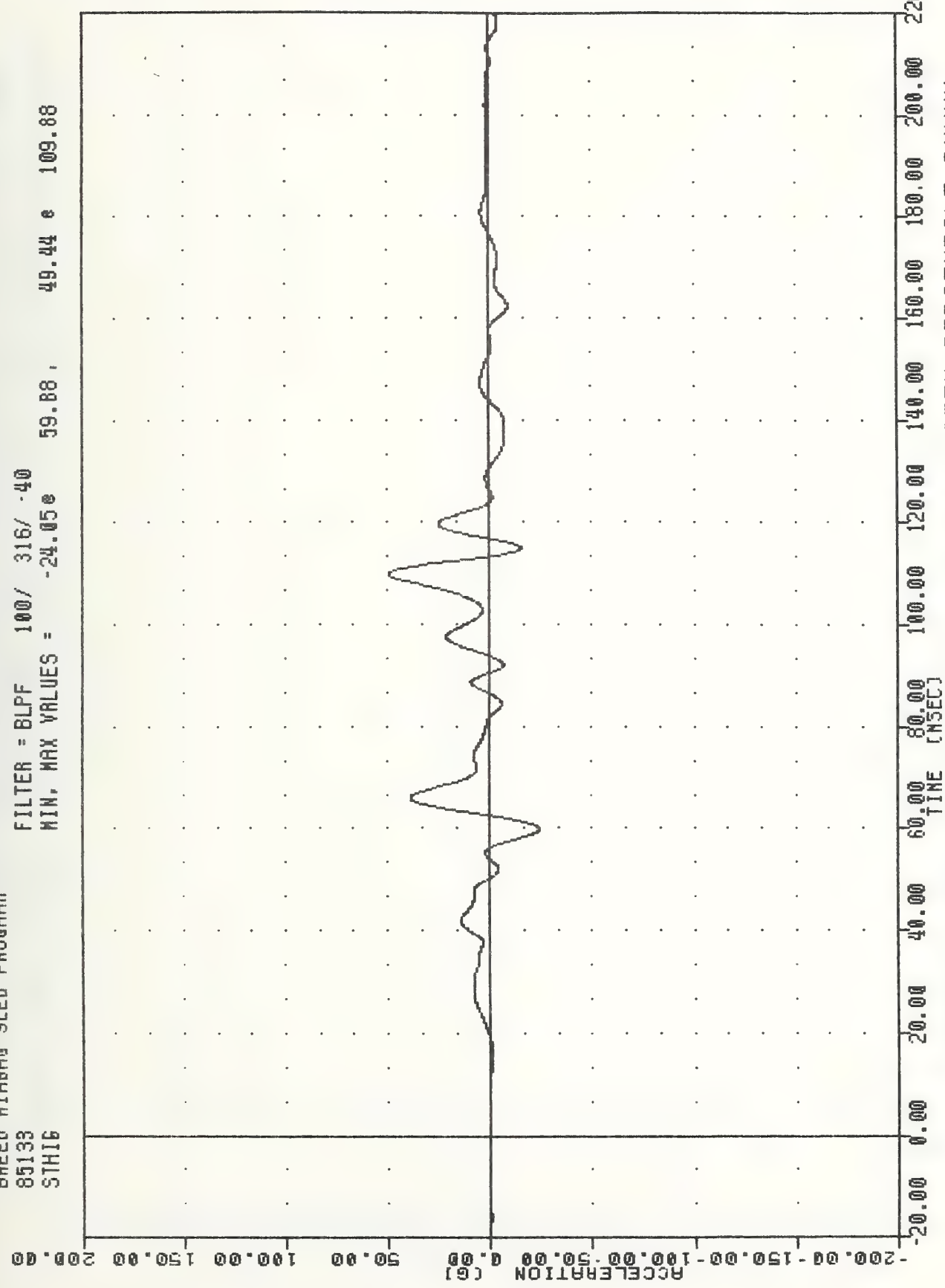
FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -61.56 220.00 , -0.04 20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING STHPV

VATIC , RD384-4-30 PLOT DATE 14-MAY-85 12:48:49
 BREED AIRBAG SLED PROGRAM
 85133 FILTER = BLPF 100/ 316/ -40
 STH16 MIN, MAX VALUES = -24.05e 59.88 , 49.44 e 109.88



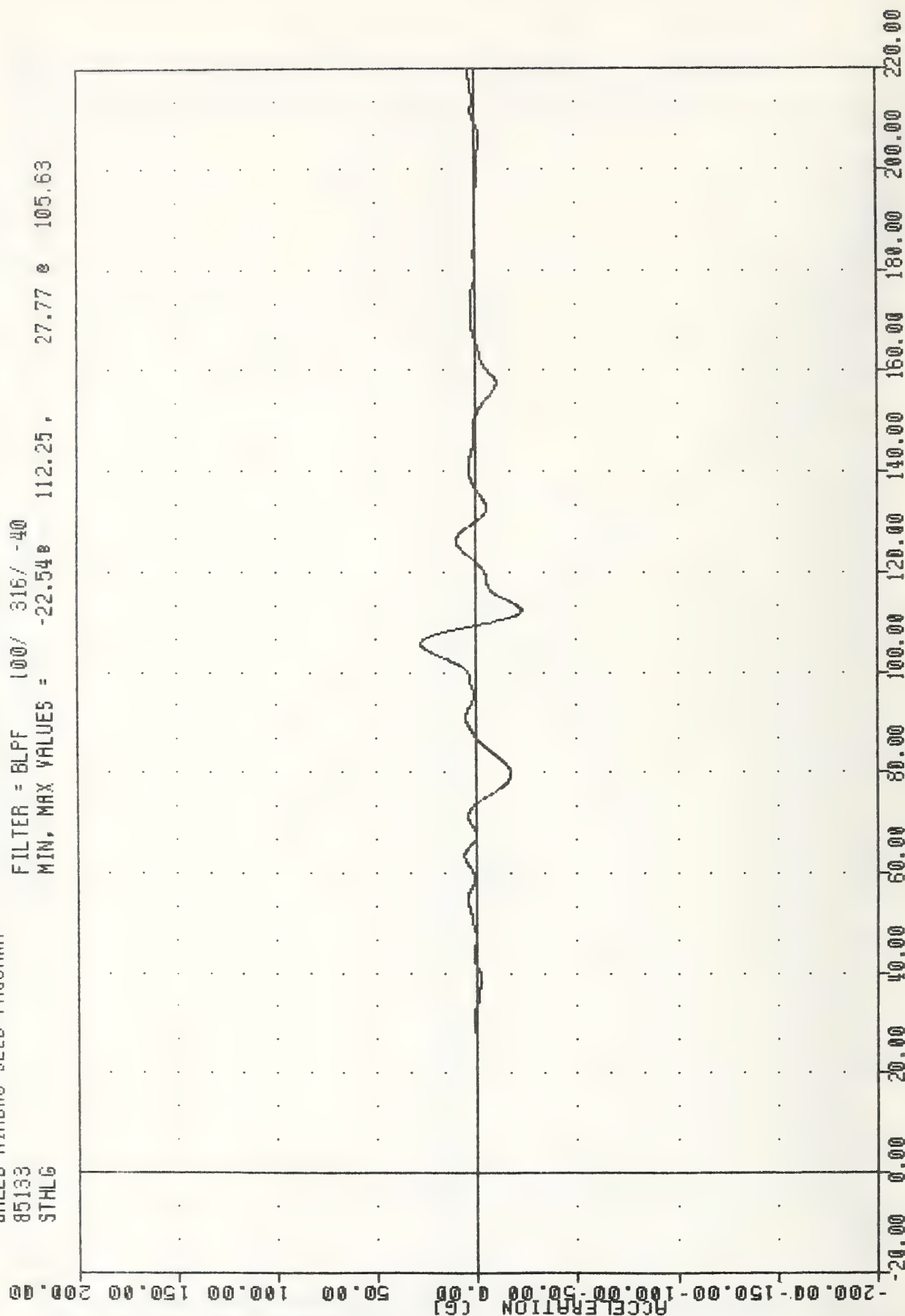
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION I-S AXIS

VRTC , R0384-4-30
BREED AIRBAG SLED PROGRAM
85133
STHLG

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -22.54 112.25, 27.77 105.63

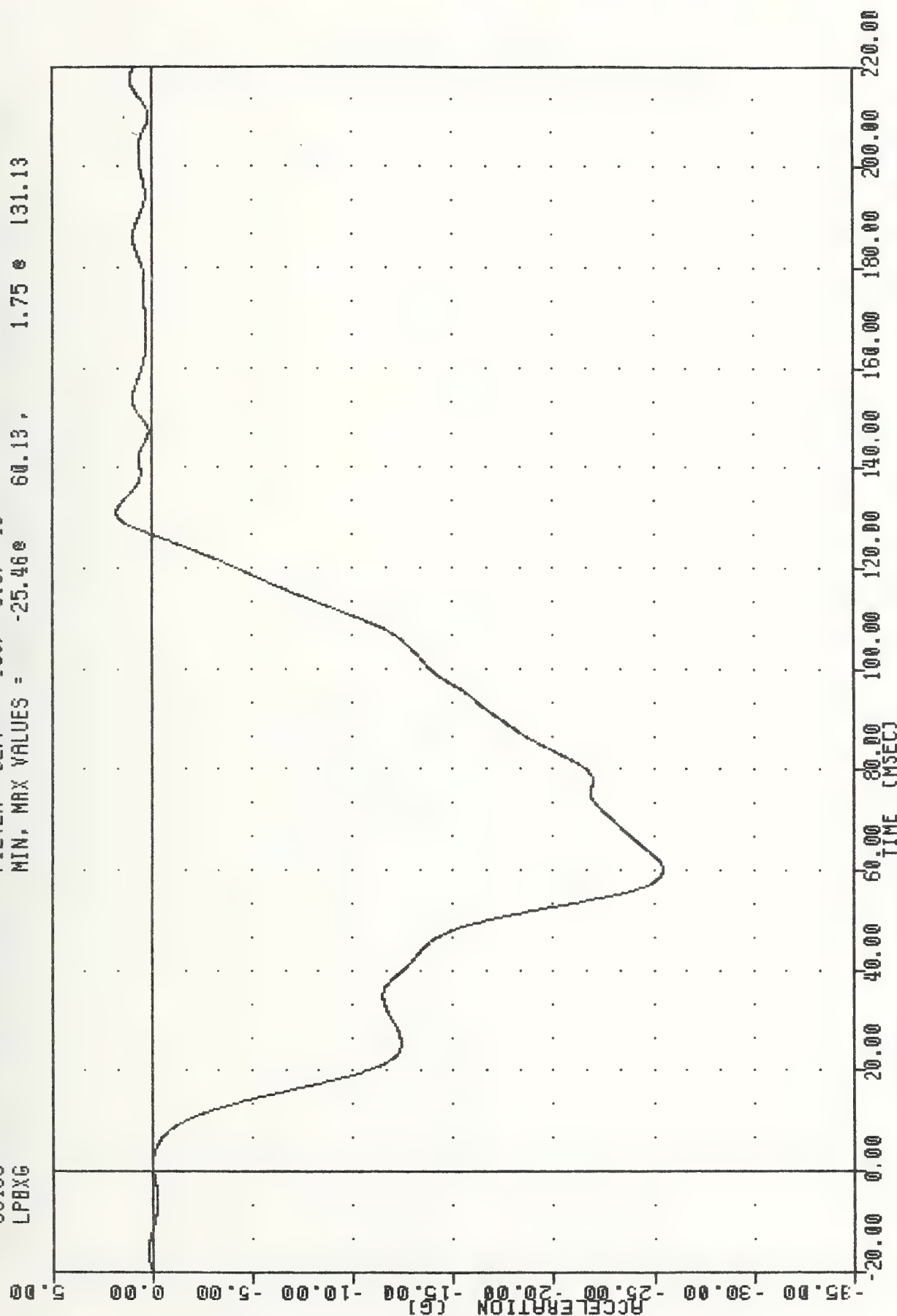


VRIC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
LPBXG

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.460 60.13, 1.75 131.13



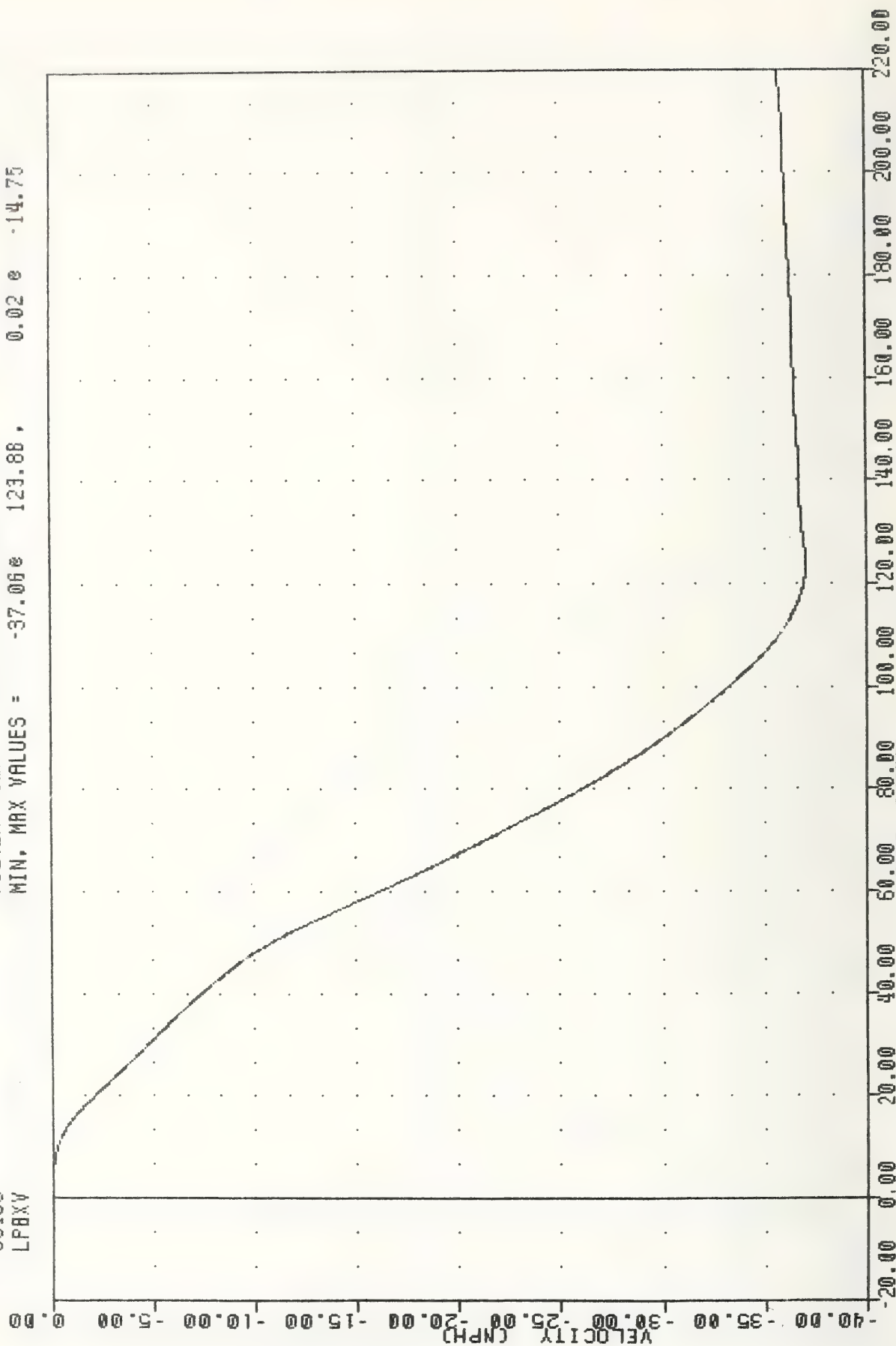
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85133
LPBXV

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -37.06e 123.88, 0.02 e -14.75



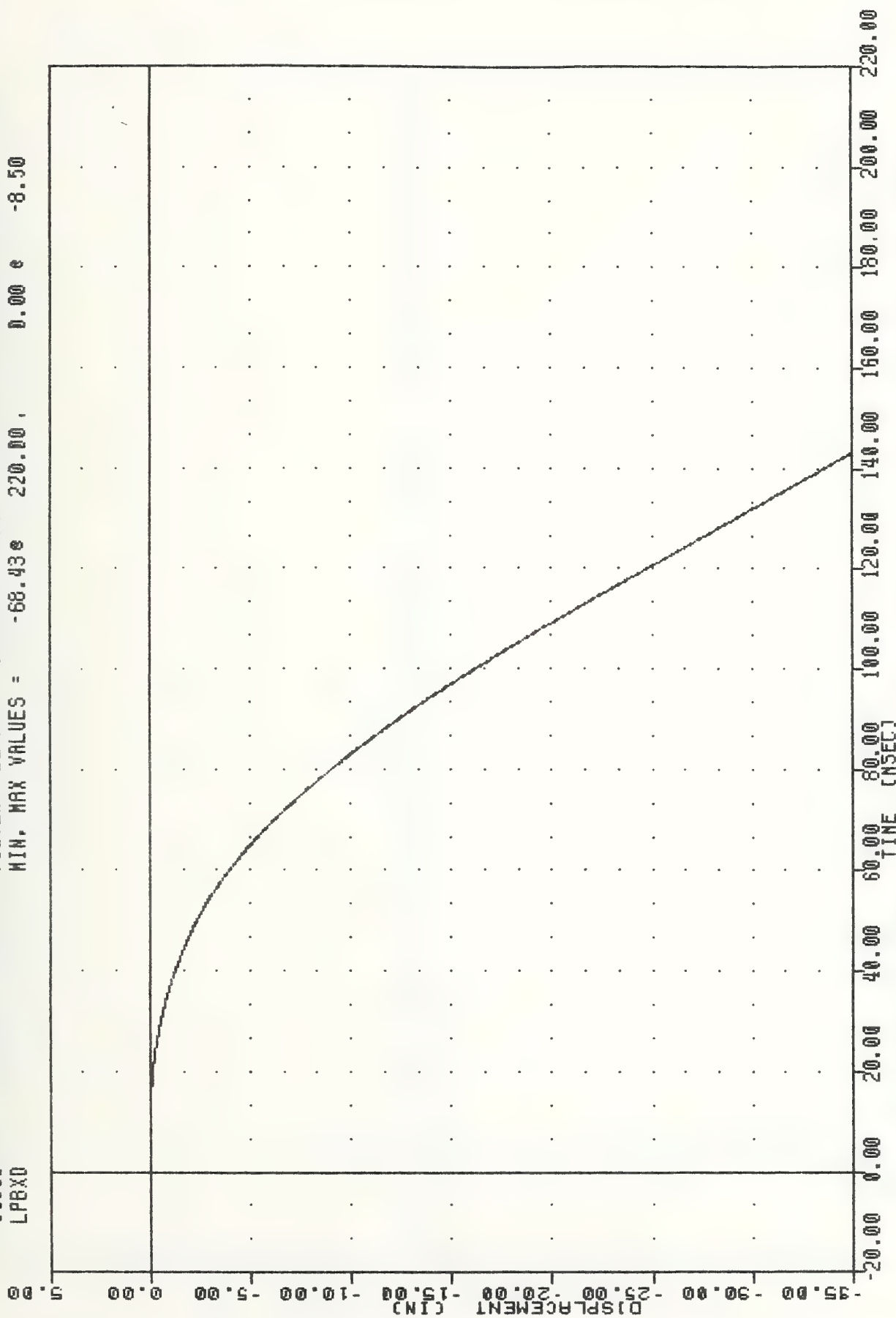
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA V USING LPBXG

VATC , RD384-4-30
BRAED AIRBAG SLED PROGRAM
85133
LPBXD

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -68.43e 220.00, 0.00 e -8.50



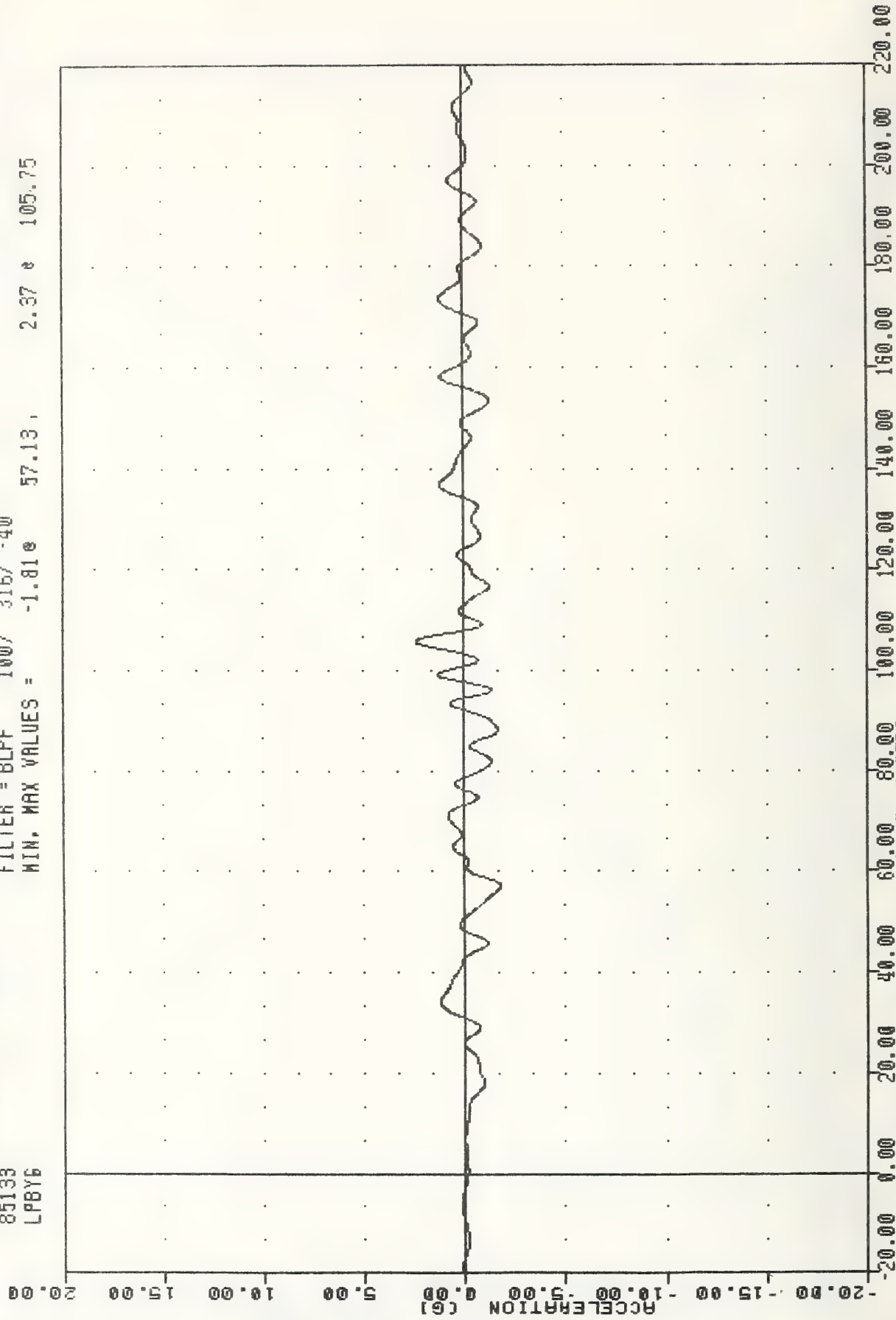
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING LPBXV

VRATC
BREED AIRBAG SLED PROGRAM
85133
LPBY6

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -1.81e 57.13, 2.37 e 105.75



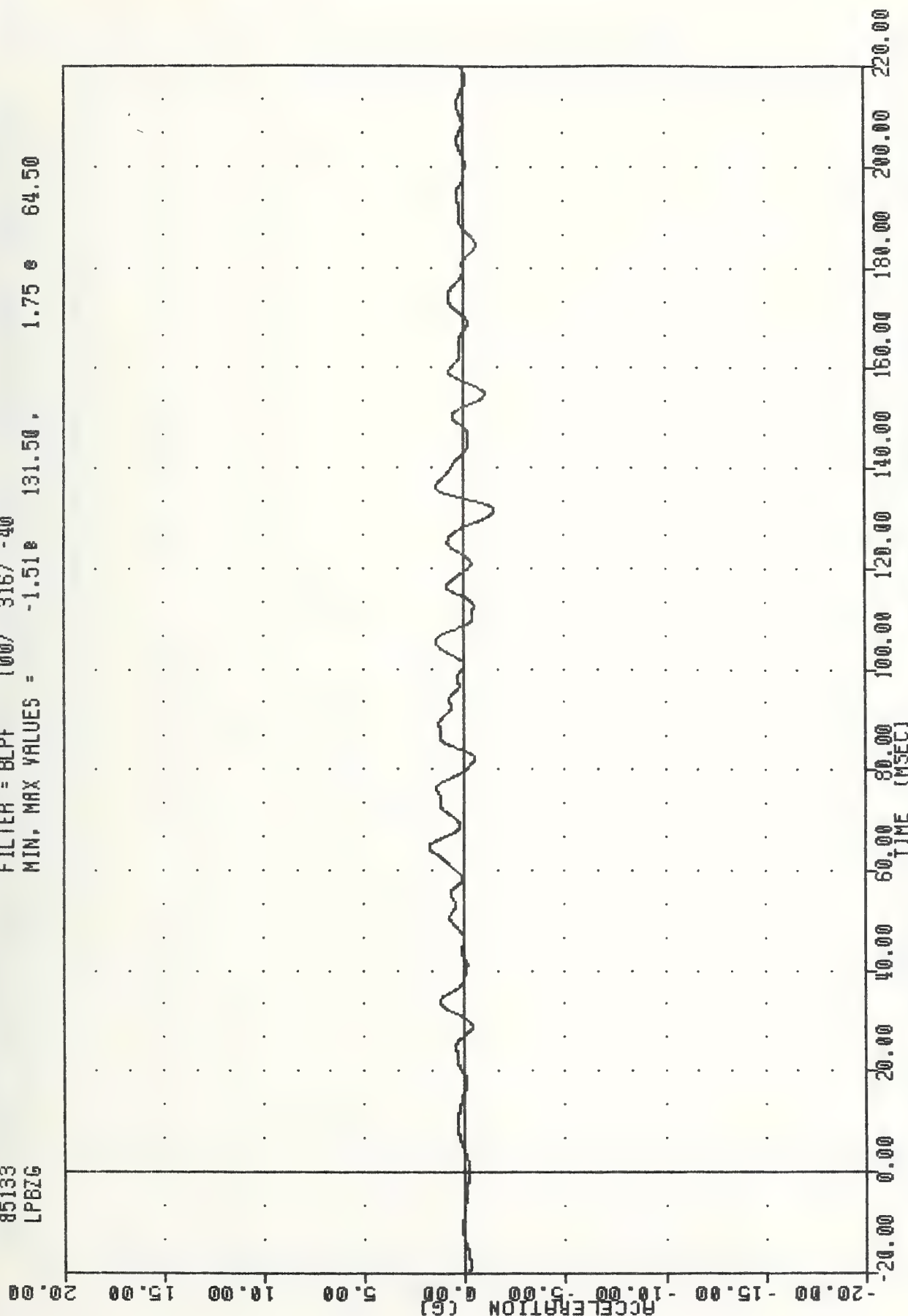
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
LPBZG

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.51e 131.50 . 1.75 e 64.50



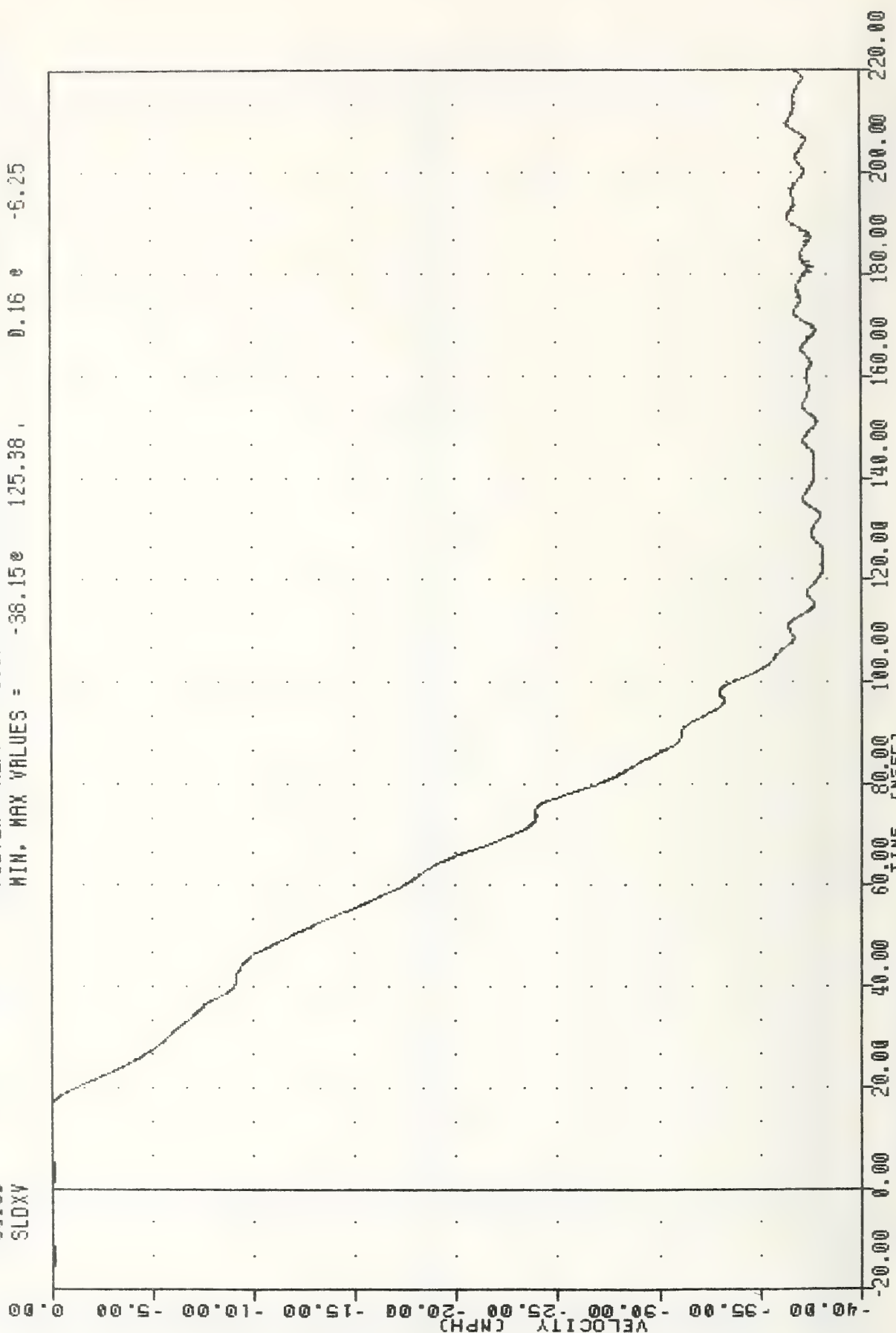
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VATC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
SLOXY

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -38.15e 125.38 , 0.16 e -6.25



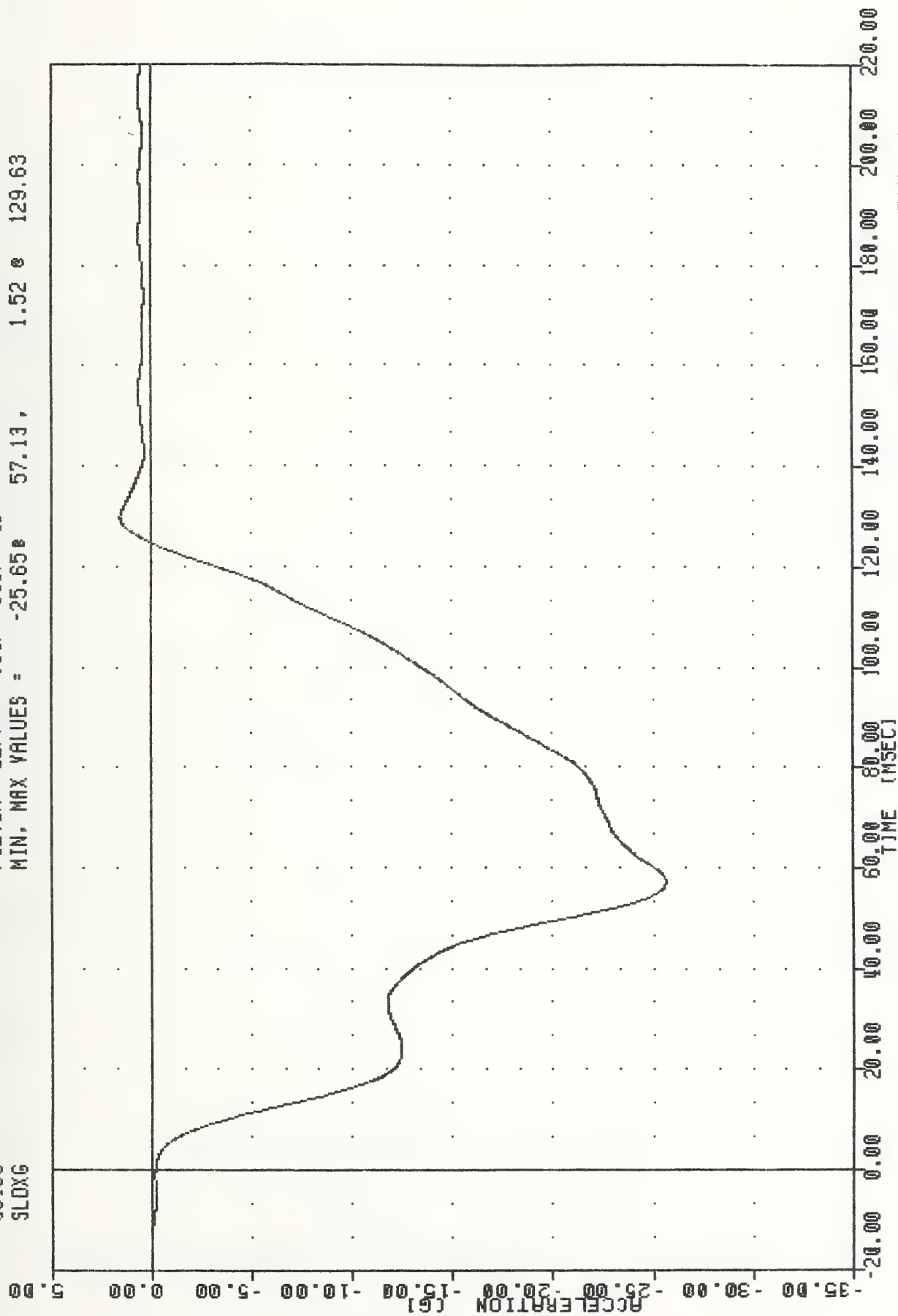
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRTC , R0384-4-30
BREED AIRBAG SLED PROGRAM
85133
SLOXG

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -25.65 57.13, 1.52 129.63



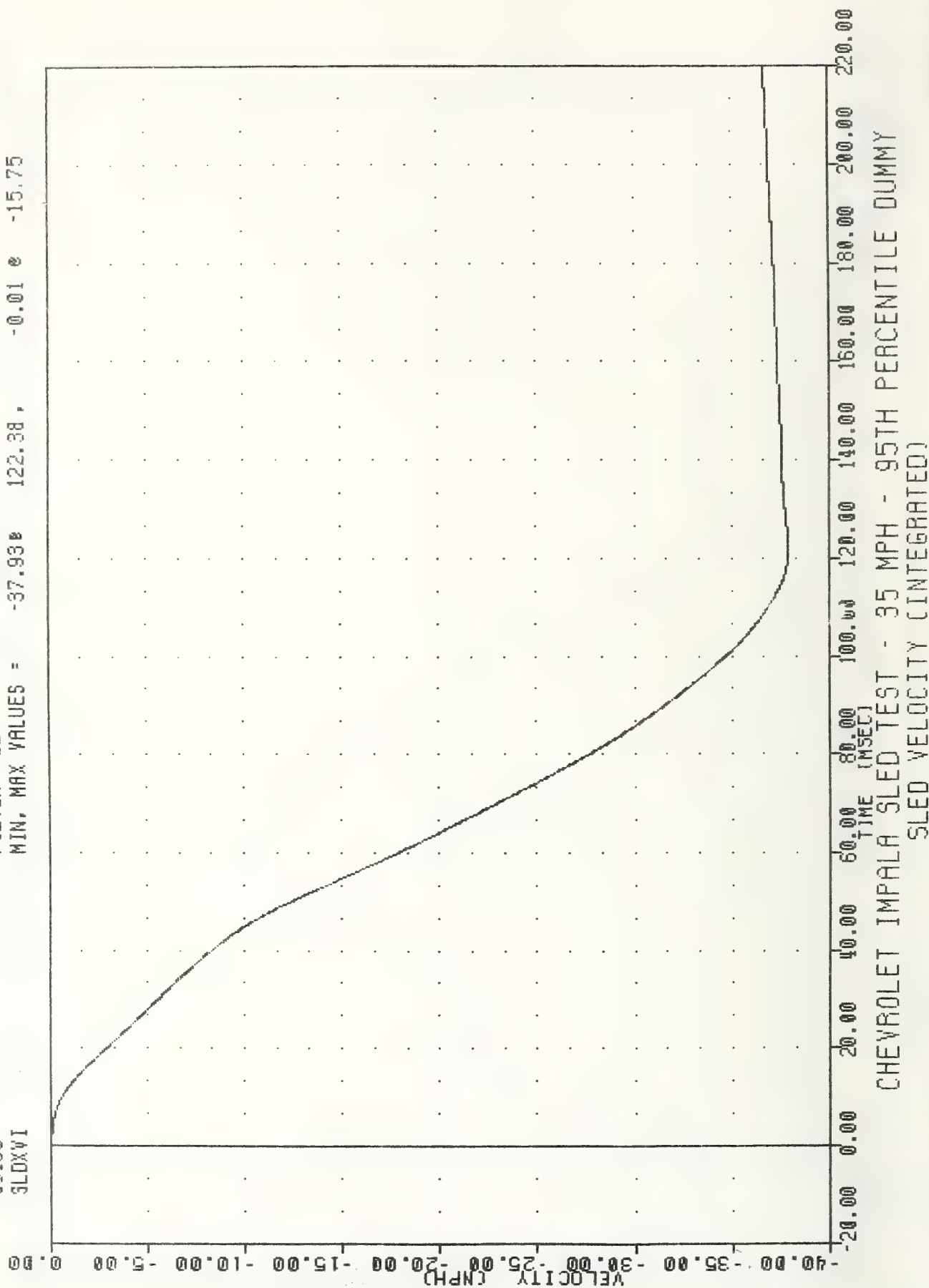
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC
 BREED AIRBAG SLED PROGRAM
 85133
 3L0XVI

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -37.93 122.38 -0.01 15.75

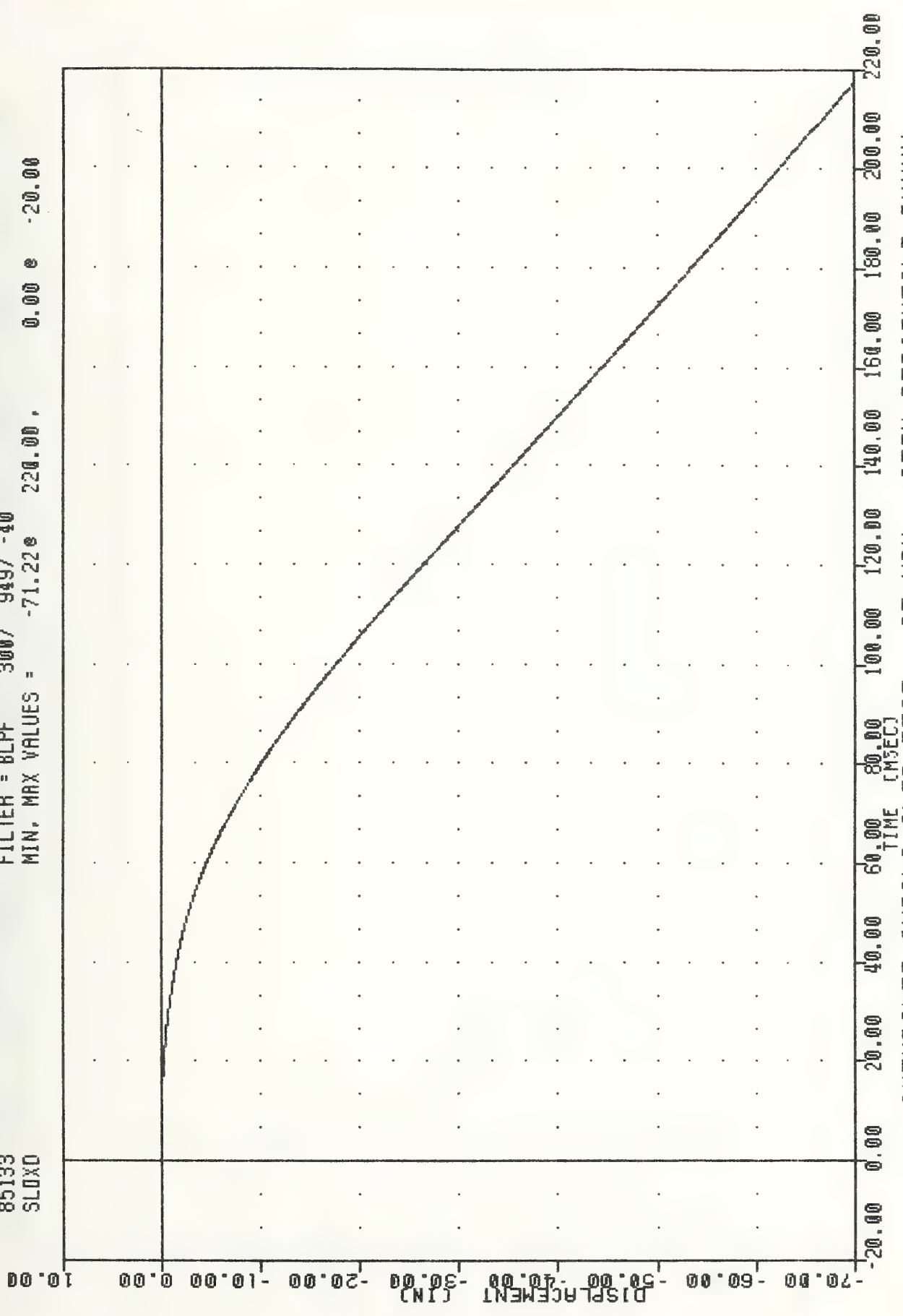


VRTC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 SLOXO

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -71.22 220.00 , 0.00 e -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

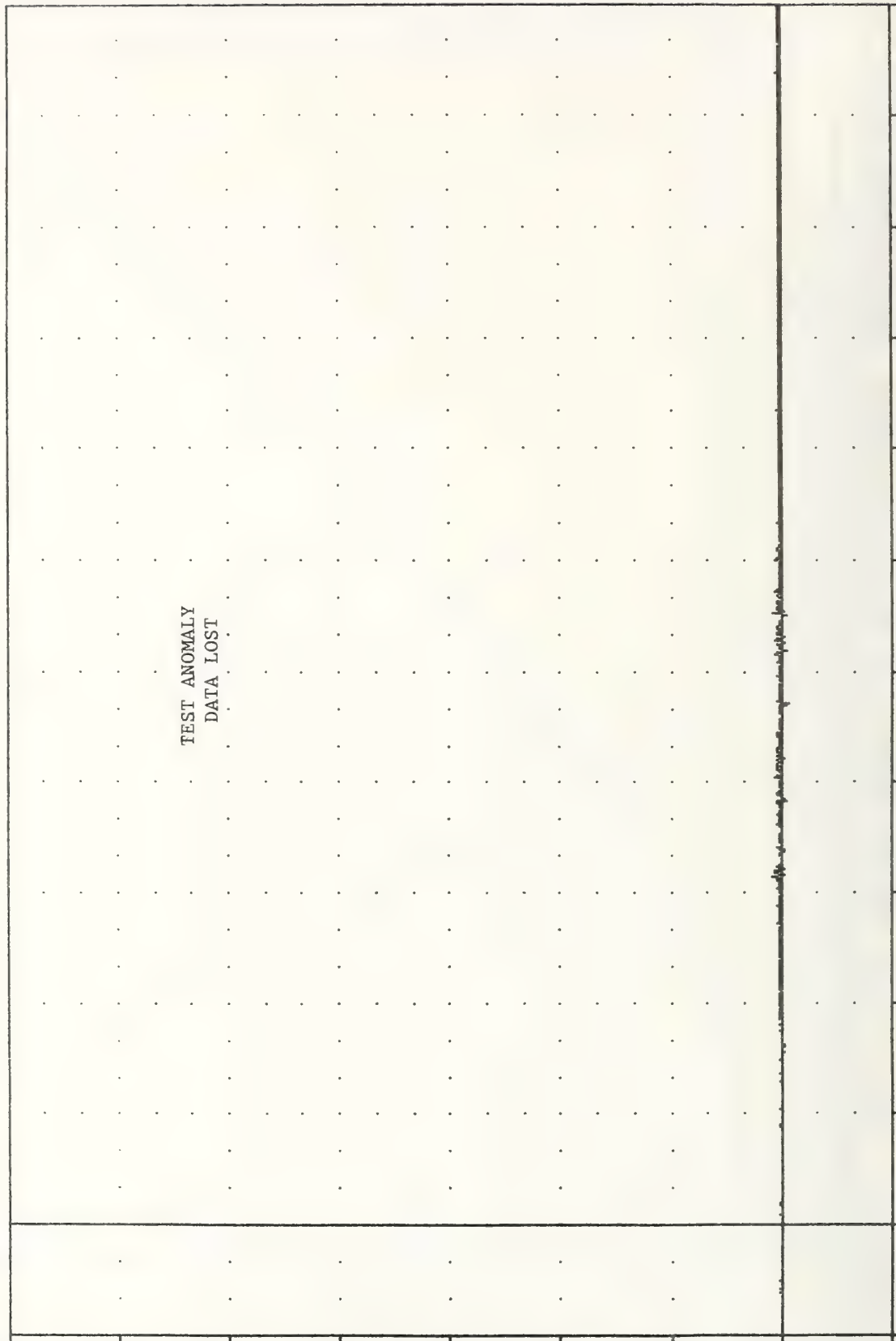
VRTC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 ABTP

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.68e 94.13, 0.84 e 62.88

70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
-10.00
-20.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

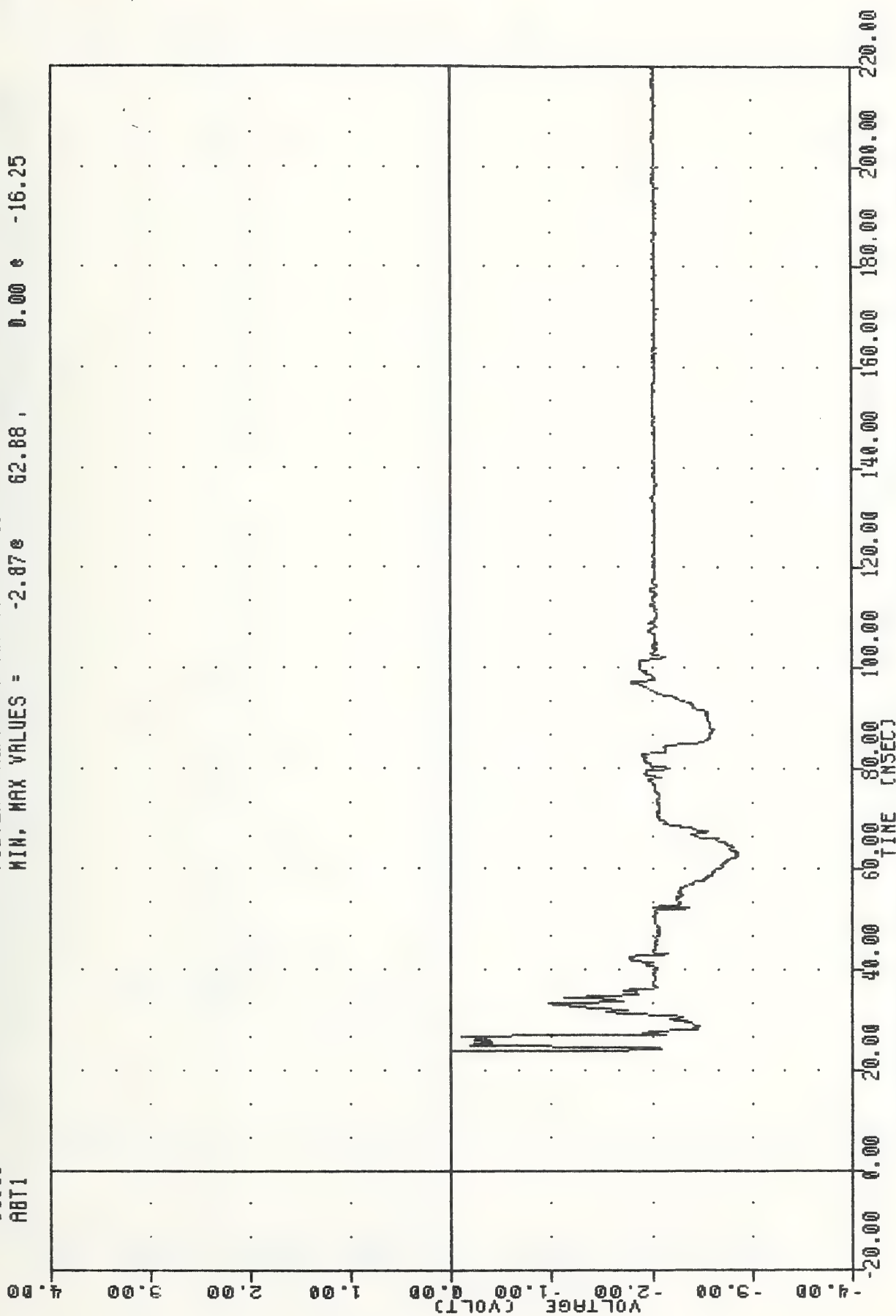
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 AIRBAG PRESSURE

VATC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
ABT1

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -2.87e 62.88 , 0.00 e -16.25

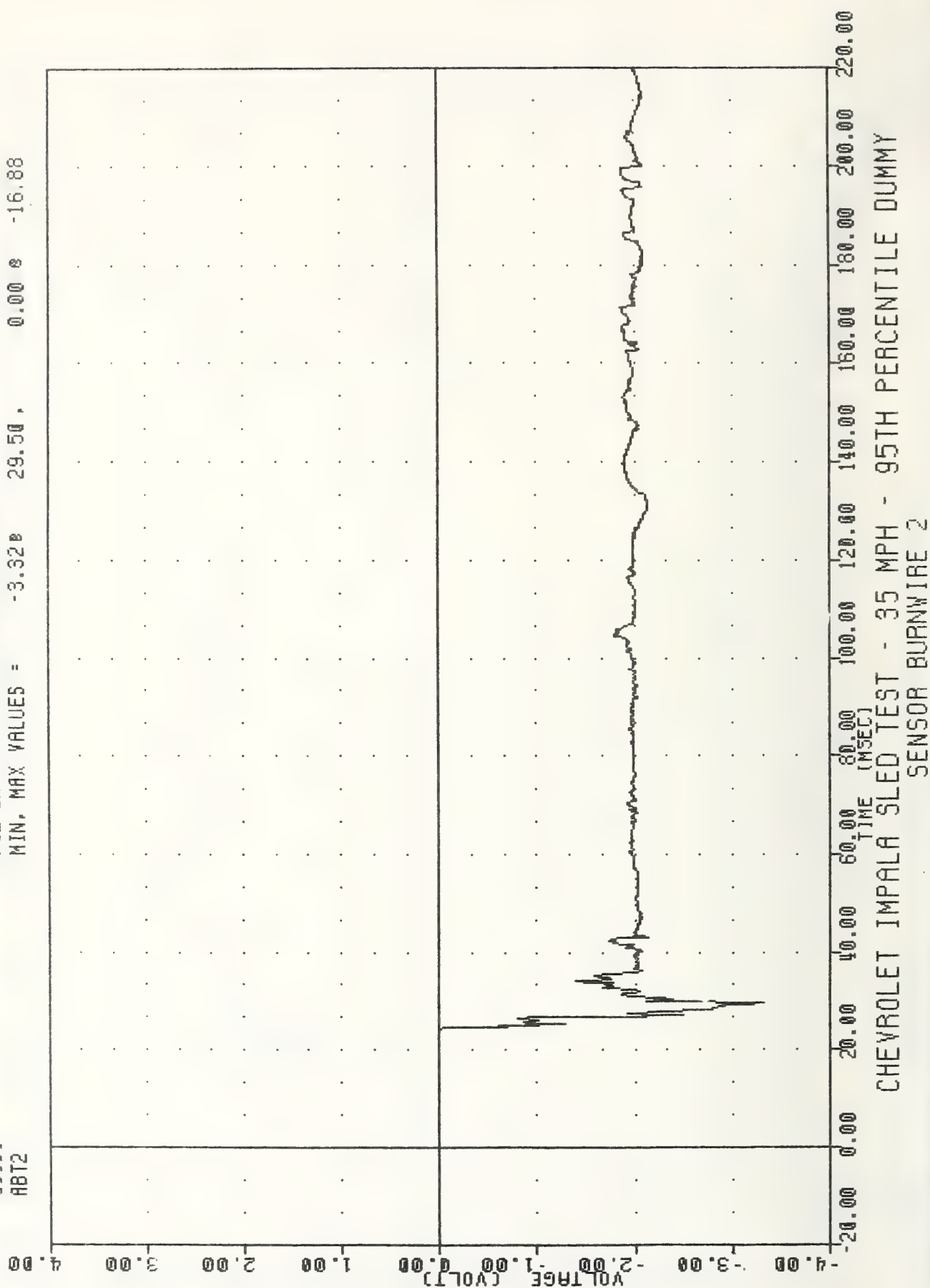


VRTC , R0384-4-30
BREED AIRBAG SLED PROGRAM
85133
ABT2

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.328 29.50, 0.00 8 -16.88



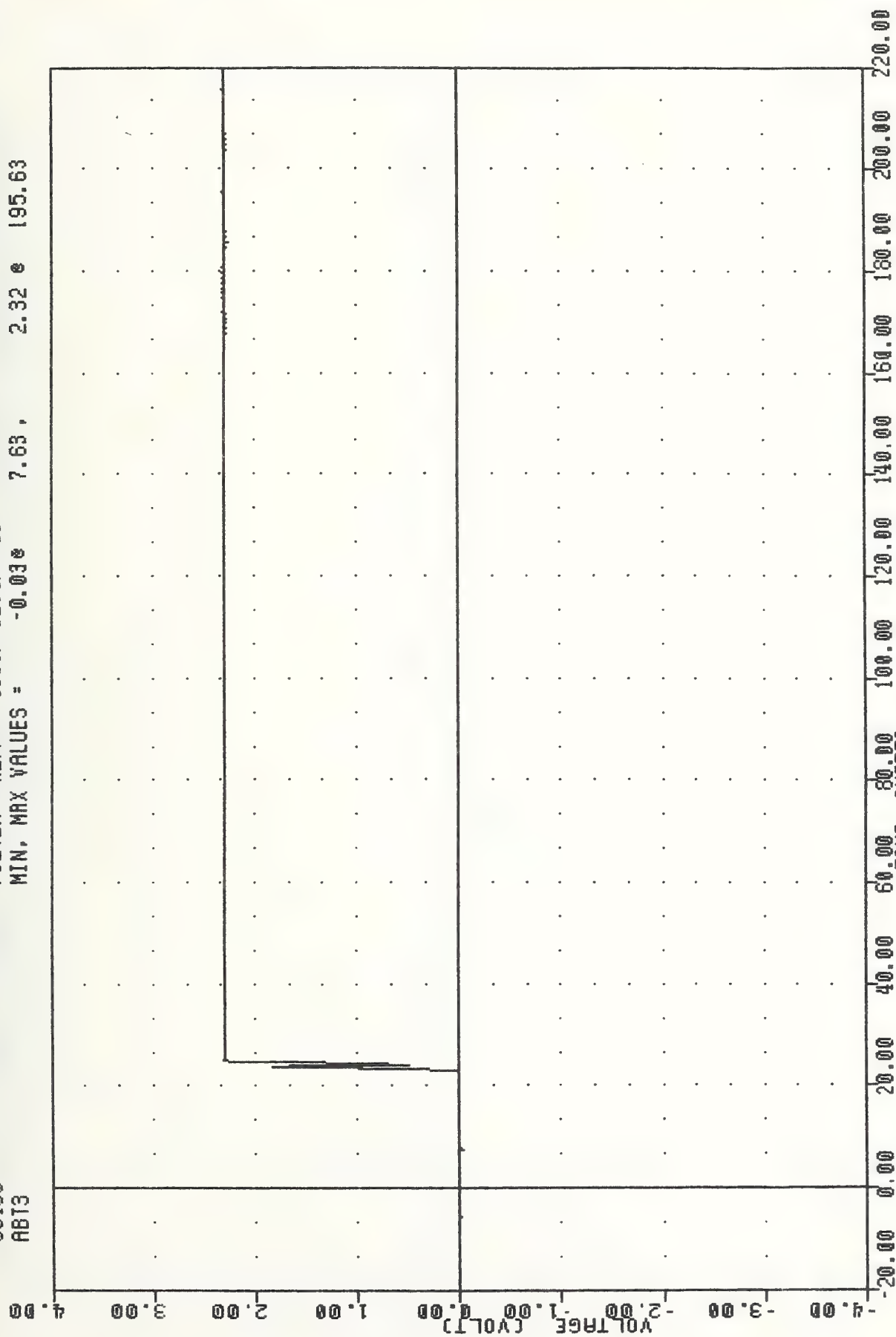
VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
ABT3

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.03e

7.63 , 2.32 e 195.63



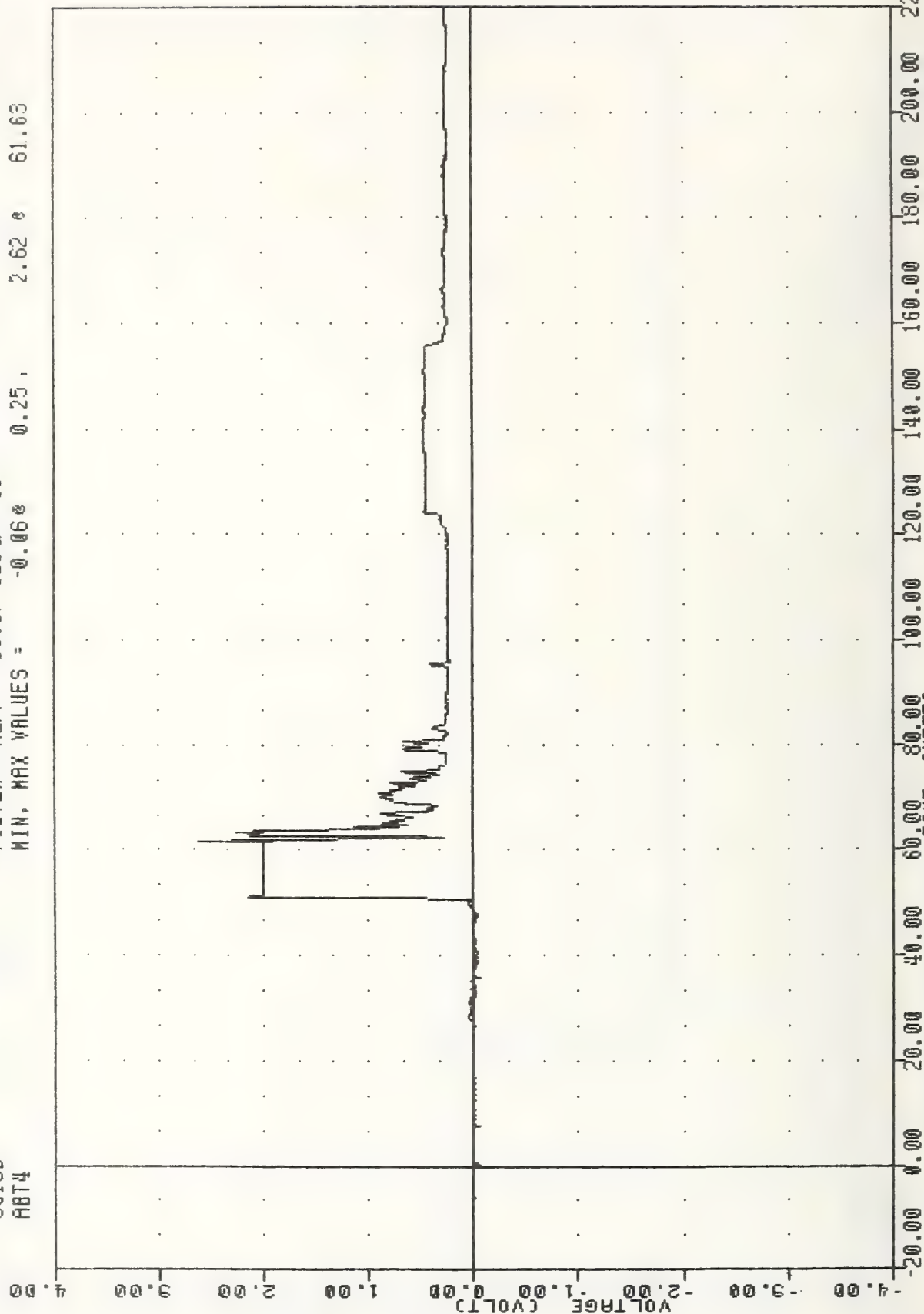
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
BREED B-PILLAR SENSOR

VATC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 AHT4

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.068 0.25 , 2.62 e 61.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 KNEE CONTACT

VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
HEADG1

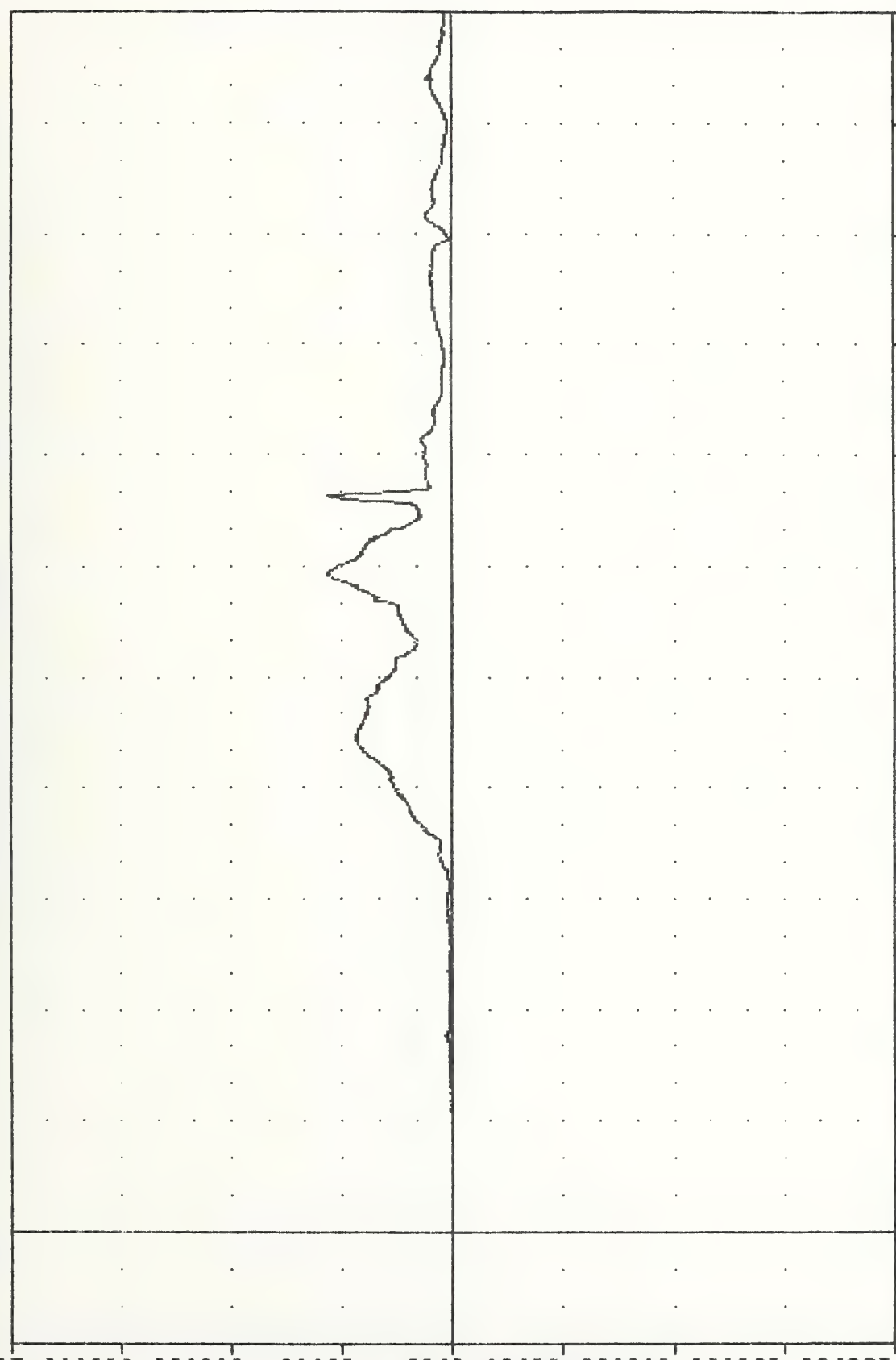
PLOT DATE 14-MAY-85 12:50:58

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.038 -4.25 ,

56.49 @ 132.50

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRTG , 00384-4-00
 BREED AIRBAG SLED PROGRAM
 85133
 CSTRG1

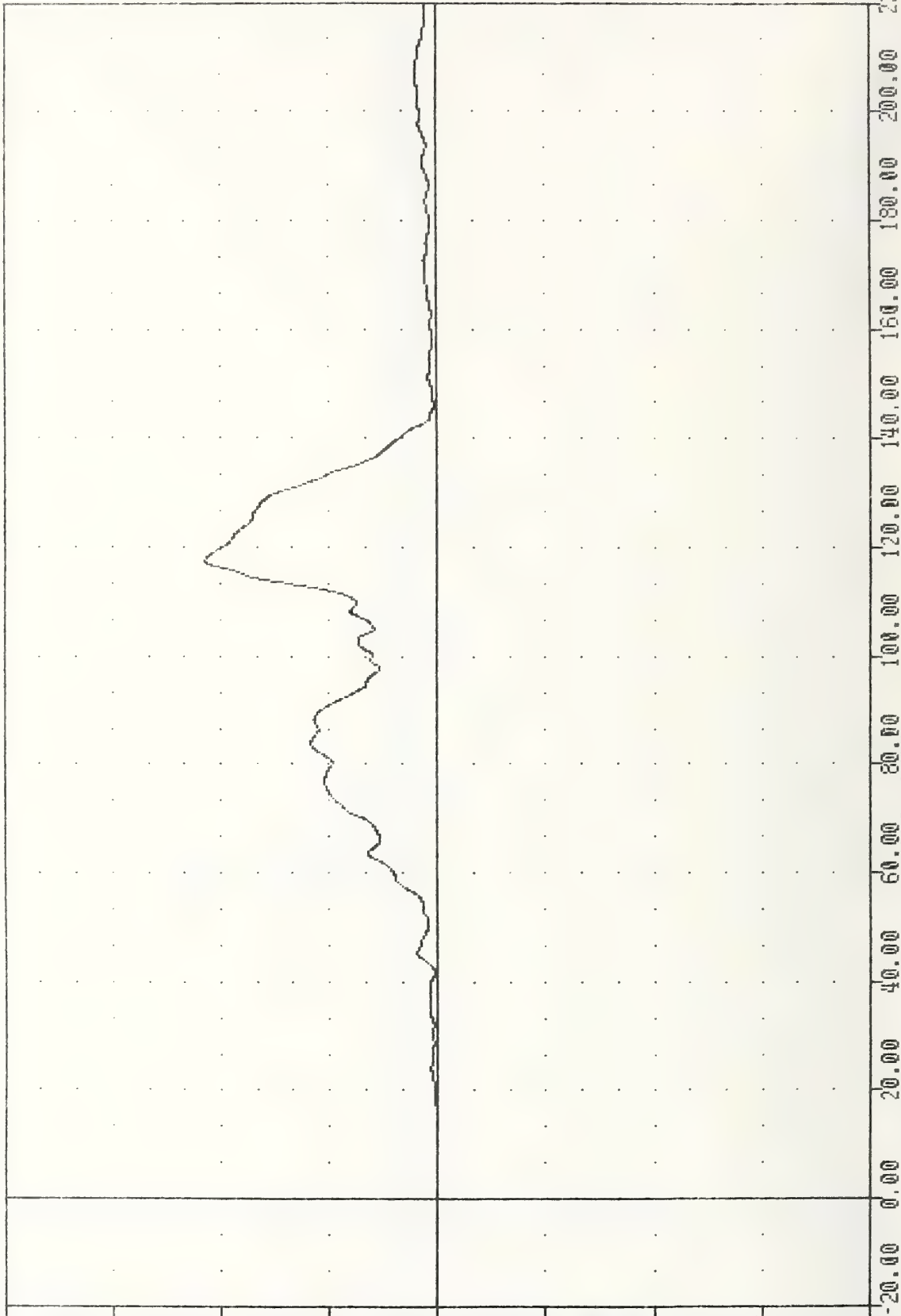
PLOT DATE 14-MAY-69 12:50:53

FILTER = BLPF 500/ 949/ -40

MIN. MAX VALUES = 0.03g

-6.13, 53.60 g 117.38

ACCELERATION (G)



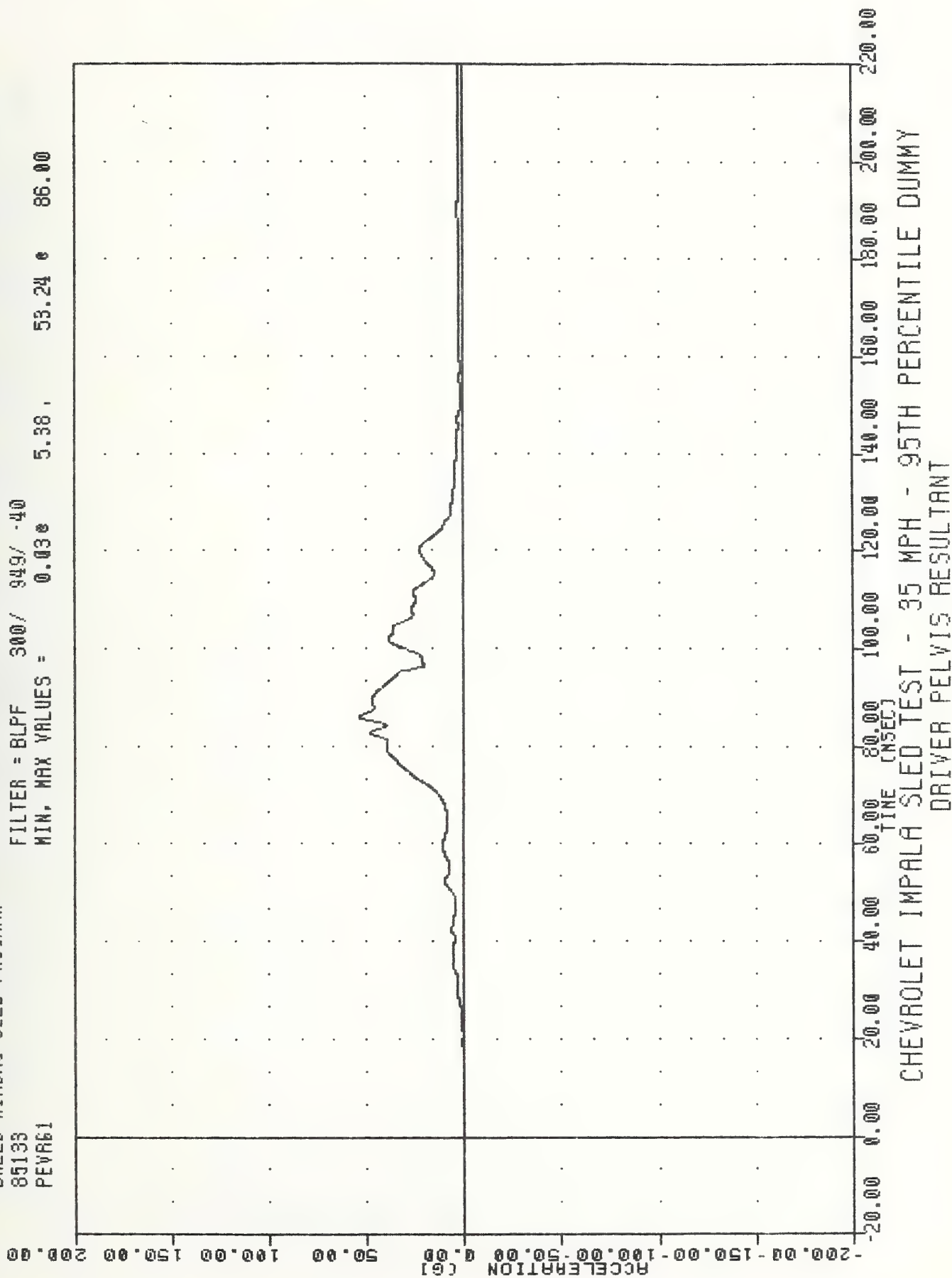
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST RESULTANT

VATC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 PEVR61

PLT DATE 14-MAY-85 12:50:58

FILTER = BLPF 300/ 949/ -40

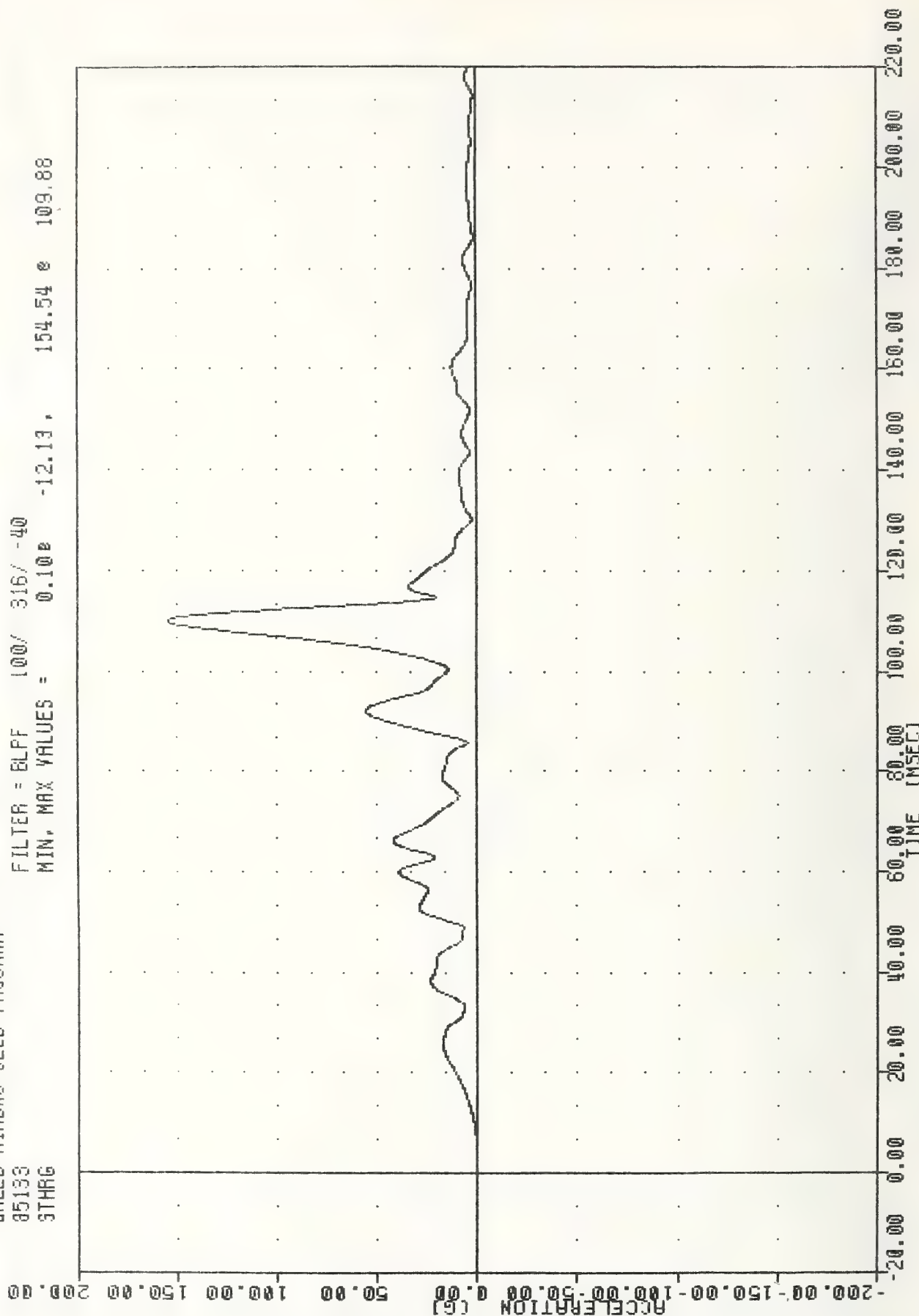
MIN, MAX VALUES = 0.03e 5.38, 53.24 e 86.00



VRTC R0384-4-30
BREED AIRBAG SLED PROGRAM
85133
STHRG

PLOT DATE 14-MAY-85 12:50:58

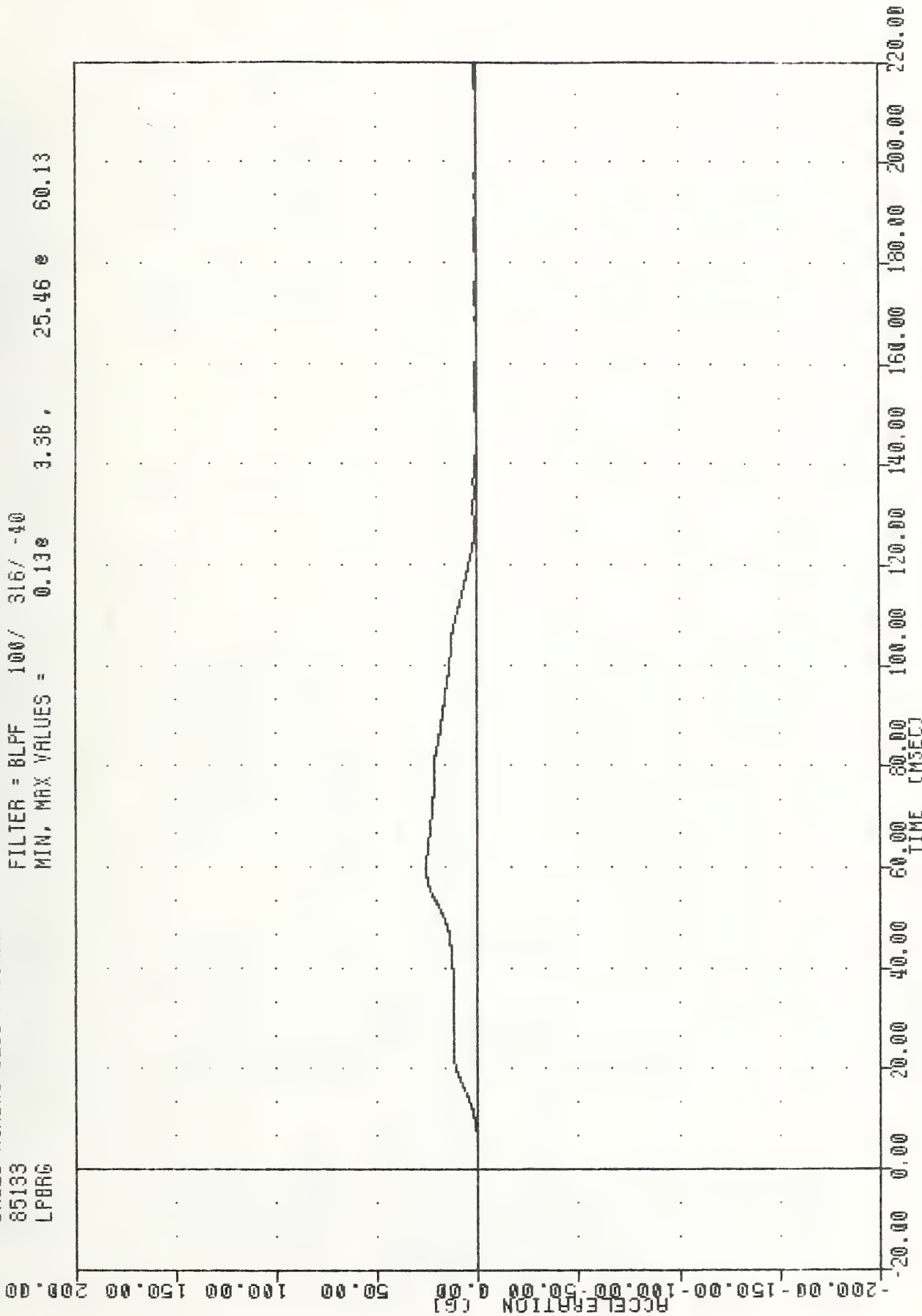
FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.10e -12.13, 154.54 e 109.88



WATC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
LPBAG

PLOT DATE 14-MAY-85 12:50:58

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = 0.13e 3.36, 25.46 e 60.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

TRC438P. RAD; 2
VRTC
85134

RD384-4-31 BREED AIRBAG SLED PROGRAM
35.00 mph 16-MAY-85 16:09

1	EVENT	Min value		Max value		Data Units	Filter
1	EVENT	0.066 @	7.750	1.621 @	-18.625 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-38.152 @	126.000	0.166 @	-6.750 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.822 @	57.250	1.177 @	130.875 msec	g	BLPF 100/ 316/ -40
4	HEDX01	-67.410 @	119.750	13.513 @	137.250 msec	g	ALPF 1650/ 5214/ -40
5	HEDY01	-16.746 @	126.125	4.190 @	142.375 msec	g	ALPF 1650/ 5214/ -40
6	HEDZ01	-4.077 @	124.000	48.692 @	117.500 msec	g	ALPF 1650/ 5214/ -40
7	CSTX01	-41.079 @	90.500	3.494 @	151.625 msec	g	BLPF 300/ 949/ -40
8	CSTY01	-3.892 @	84.375	1.882 @	125.000 msec	g	BLPF 300/ 949/ -40
9	CSTZ01	-11.720 @	87.375	20.828 @	125.250 msec	g	BLPF 300/ 949/ -40
10	PEVX01	-55.525 @	81.875	2.540 @	145.000 msec	g	BLPF 300/ 949/ -40
11	PEVY01	-1.705 @	52.125	5.153 @	88.500 msec	g	BLPF 300/ 949/ -40
12	PEVZ01	-32.448 @	87.125	6.584 @	136.500 msec	g	BLPF 1000/ 3162/ -40
13	LFMF1	-518.208 @	59.000	134.937 @	169.375 msec	lb	BLPF 1000/ 3162/ -40
14	RFMF1	-256.043 @	52.500	195.310 @	72.000 msec	lb	BLPF 100/ 316/ -40
15	STHPG	-180.288 @	109.625	69.265 @	93.250 msec	g	BLPF 100/ 316/ -40
16	STHLG	-9.121 @	81.125	22.187 @	107.125 msec	g	BLPF 100/ 316/ -40
17	STHIG	-17.805 @	100.250	44.220 @	109.750 msec	g	BLPF 100/ 316/ -40
18	LPBXG	-25.477 @	60.250	1.663 @	130.750 msec	g	BLPF 100/ 316/ -40
19	LPBYG	-1.929 @	127.125	2.019 @	33.875 msec	g	BLPF 100/ 316/ -40
20	LPBZG	-1.366 @	132.500	1.773 @	137.875 msec	g	BLPF 100/ 316/ -40
21	LB0F1	-15.008 @	161.000	1764.844 @	87.625 msec	lb	BLPF 1650/ 5214/ -40
22	ABTP	-2.056 @	44.375	35.986 @	30.125 msec	psig	ALPF 1650/ 5214/ -40
23	ABT1	-2.525 @	26.625	0.004 @	3.000 msec	volt	ALPF 1650/ 5214/ -40
24	ABT2	-9.996 @	103.625	1.433 @	103.375 msec	volt	ALPF 1650/ 5214/ -40
25	ABT3	-0.029 @	3.250	2.336 @	23.625 msec	volt	ALPF 1650/ 5214/ -40
26	ABT4	-0.152 @	143.875	9.995 @	70.750 msec	volt	ALPF 1650/ 5214/ -40

TRC438P. RAD; 1
VRTC
85134

RD384-4-31 BREED AIRBAG SLED PROGRAM
35.00 mph 14-MAY-85 16:09

1	EVENT	Min value		Max value		Data Units	Filter
1	HEDXV1	-47.536 @	217.750	0.665 @	66.000 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-57.196 @	220.000	0.136 @	73.875 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-44.898 @	145.500	0.028 @	-10.125 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-63.813 @	220.000	0.021 @	30.625 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-35.909 @	134.250	0.221 @	-2.000 msec	mph	BLPF 300/ 949/ -40
6	PEVDX1	-60.789 @	220.000	0.203 @	23.000 msec	in	BLPF 300/ 949/ -40
7	SLDXV1	-37.997 @	123.125	0.000 @	-16.250 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-71.174 @	220.000	0.000 @	-20.000 msec	in	BLPF 300/ 949/ -40
9	STHPV	-34.663 @	111.125	0.169 @	-18.750 msec	mph	BLPF 300/ 949/ -40
10	STHPD	-58.308 @	220.000	0.134 @	8.000 msec	in	BLPF 300/ 949/ -40
11	LPBXV	-37.228 @	123.875	0.005 @	-19.625 msec	mph	BLPF 300/ 949/ -40
12	LPBXD	-68.635 @	220.000	0.000 @	-14.375 msec	in	BLPF 300/ 949/ -40

TRC438P. RAD; 1
VRTC
85134

RD384-4-31 BREED AIRBAG SLED PROGRAM
35.00 mph 14-MAY-85 16:09

1	EVENT	Min value		Max value		Data Units	Filter
1	HEDRG1	0.020 @	-8.250	81.524 @	118.375 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.030 @	7.375	41.676 @	90.375 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.079 @	-11.875	63.263 @	86.000 msec	g	BLPF 300/ 949/ -40
4	STHRG	0.024 @	-8.500	186.454 @	109.625 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.042 @	-14.625	25.487 @	60.250 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC438RP.RAD;1
VRTC RD384-4-31 BREED AIRBAG SLED PROGRAM
85134 35.00 mph

* * * HIC computation for HEDRG1

14-MAY-85 16:11

Using time range = 0.000 to 142.375 msec Peak accel = 81.52 @ 118.375

HIC = 453.83 Interval from 81.125 [810] to 130.000 [1201]

HIC = 352.15 Interval from 113.375 [1068] to 128.375 [1188]

R SYSF:THREEMS

*** Three ms clip program for chest resultant channel ***

THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC438RP

File TRC438RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-31 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED.BREED]TRC438RP.RAD;1
BREED AIRBAG SLED PROGRAM
Deltax: 0.125

VRTC RD384-4-31
14-MAY-85 16:21:18

35.0 mph 85134

3 MS CLIP PEAK: 39.40584

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak

Enter channel name -> EXIT

Enter input filespec -> EXIT

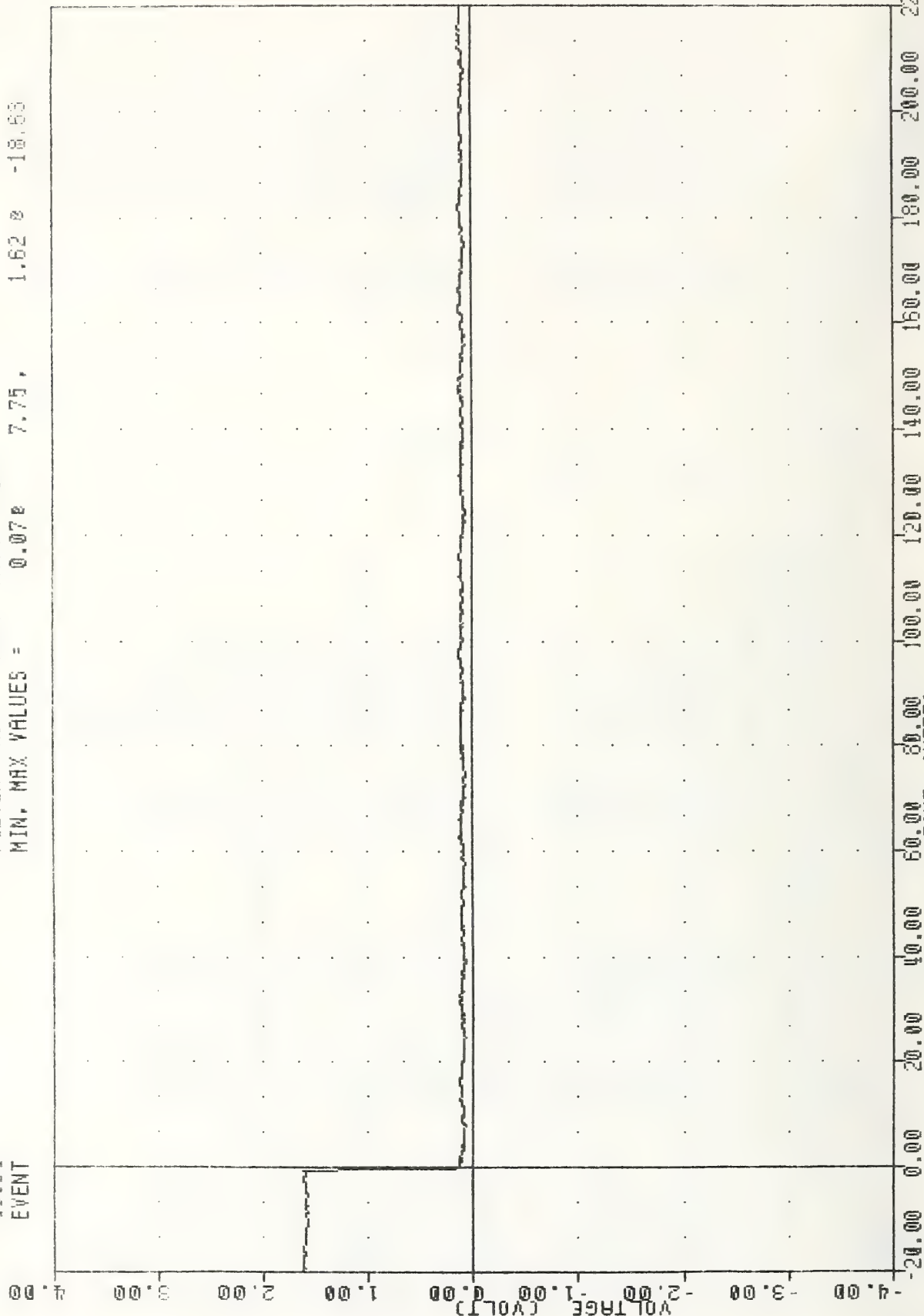
\$

VRTC : 80304-1-31
 BREED AIRBAG SLED PROGRAM
 85134
 EVENT

PLOT DATE 17-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.070 7.75, 1.620 -18.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 EVENT

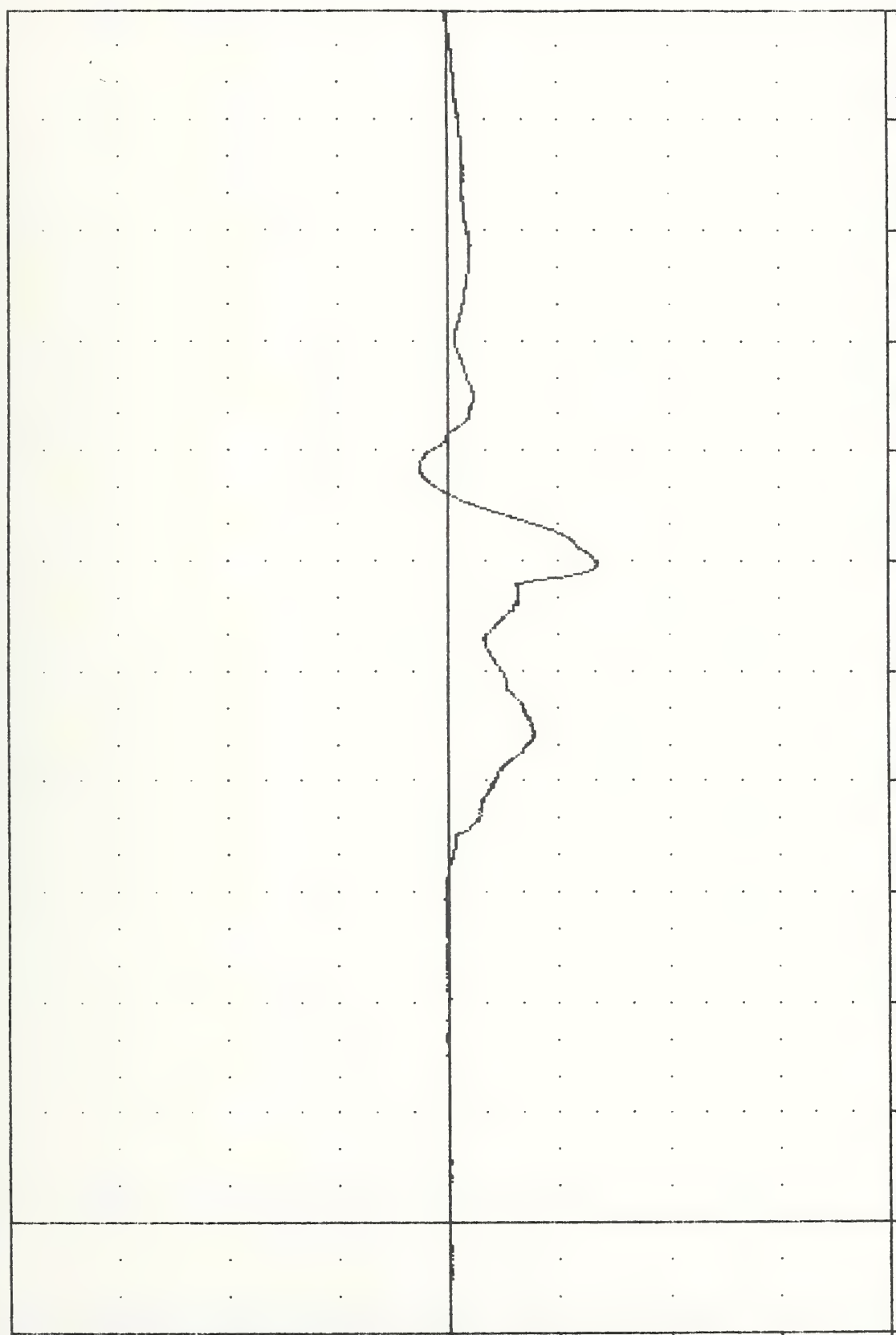
VRIC , RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
HEDXG1

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -67.410 119.75, 13.51 0 137.25

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

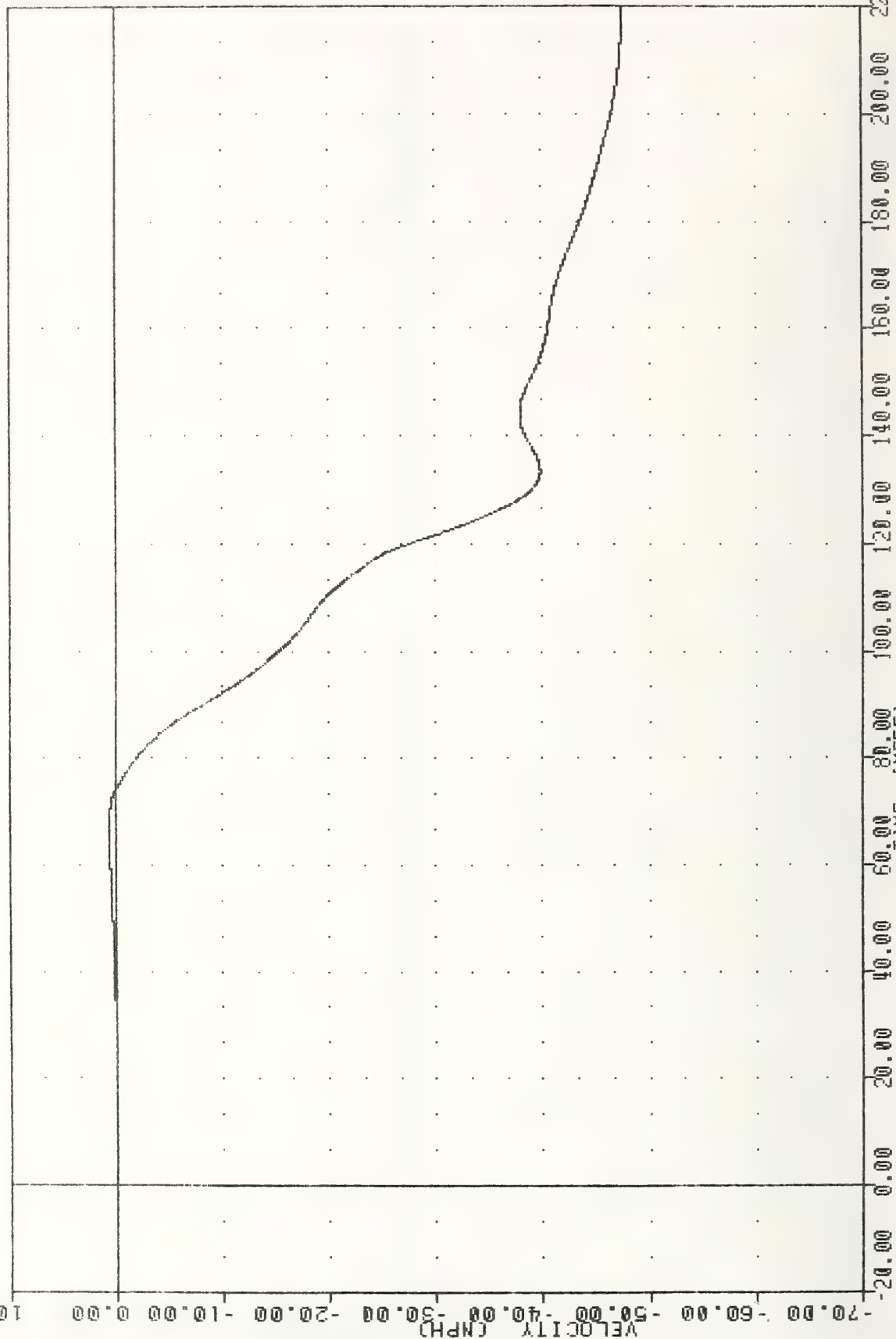
VRTC , 80384-4-31
BREED HIASB3 SLED PROGRAM
85134
HEDXW1

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -47.548 217.75, 0.668 66.00

10.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

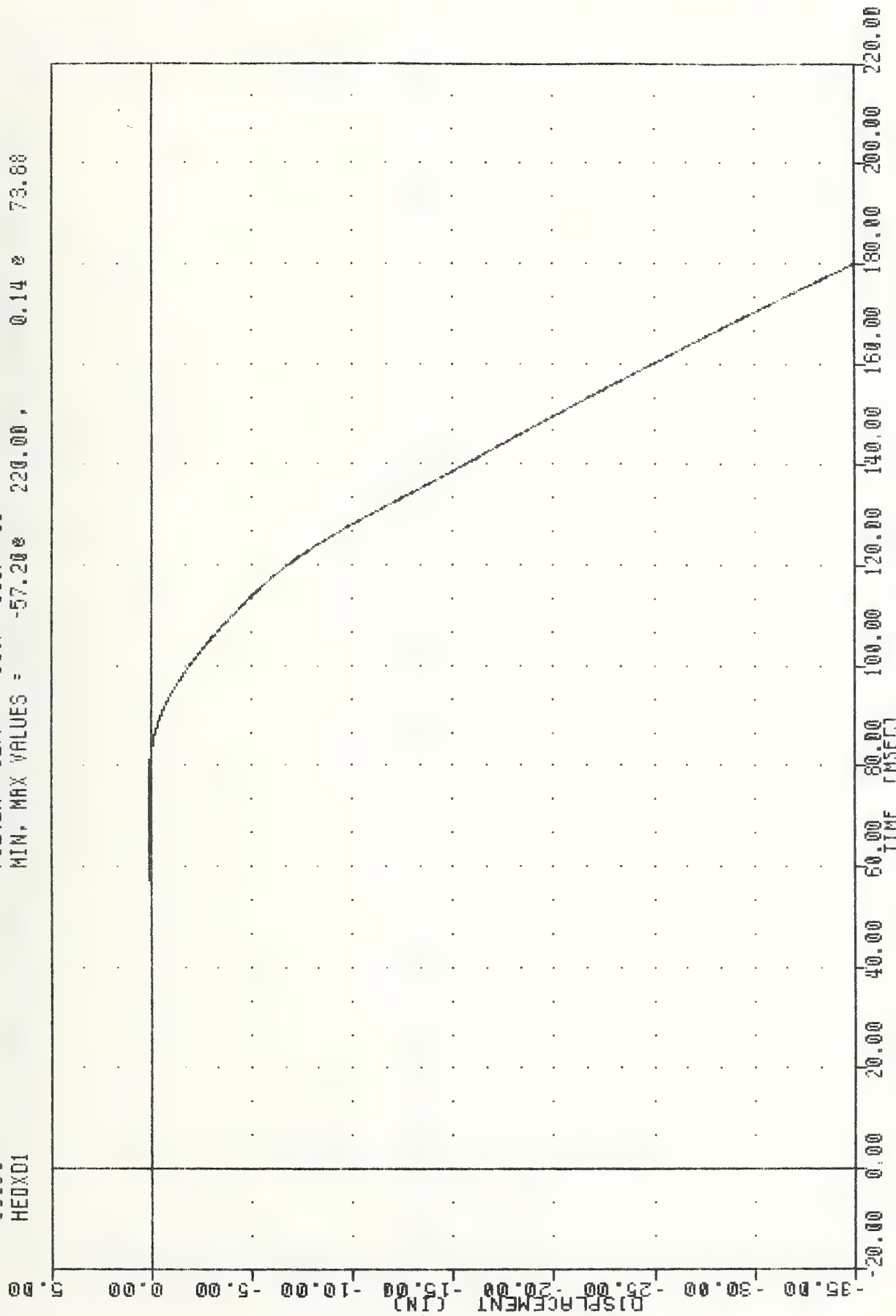
DELTA V USING HEDXG1

VRTC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 HEDXD1

PLOT DATE 15-MAY-85 10:31:52

FILTER = 6LPF 300/ 949/ -40

MIN. MAX VALUES = -57.20e 220.00 , 0.14 e 73.88



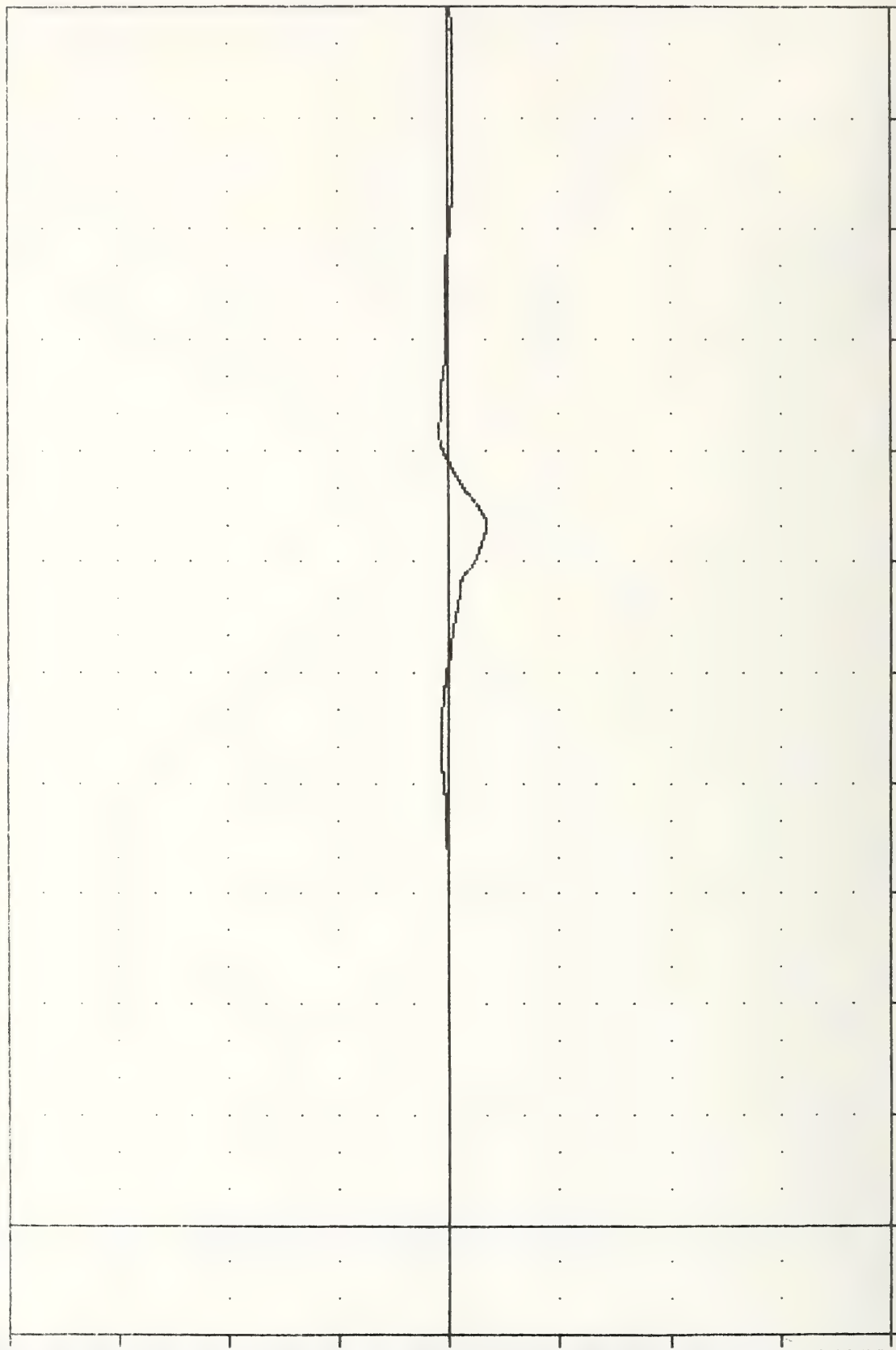
WATC 50364-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 HEDY61

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -16.750 126.13 4.19 142.38

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (msec)

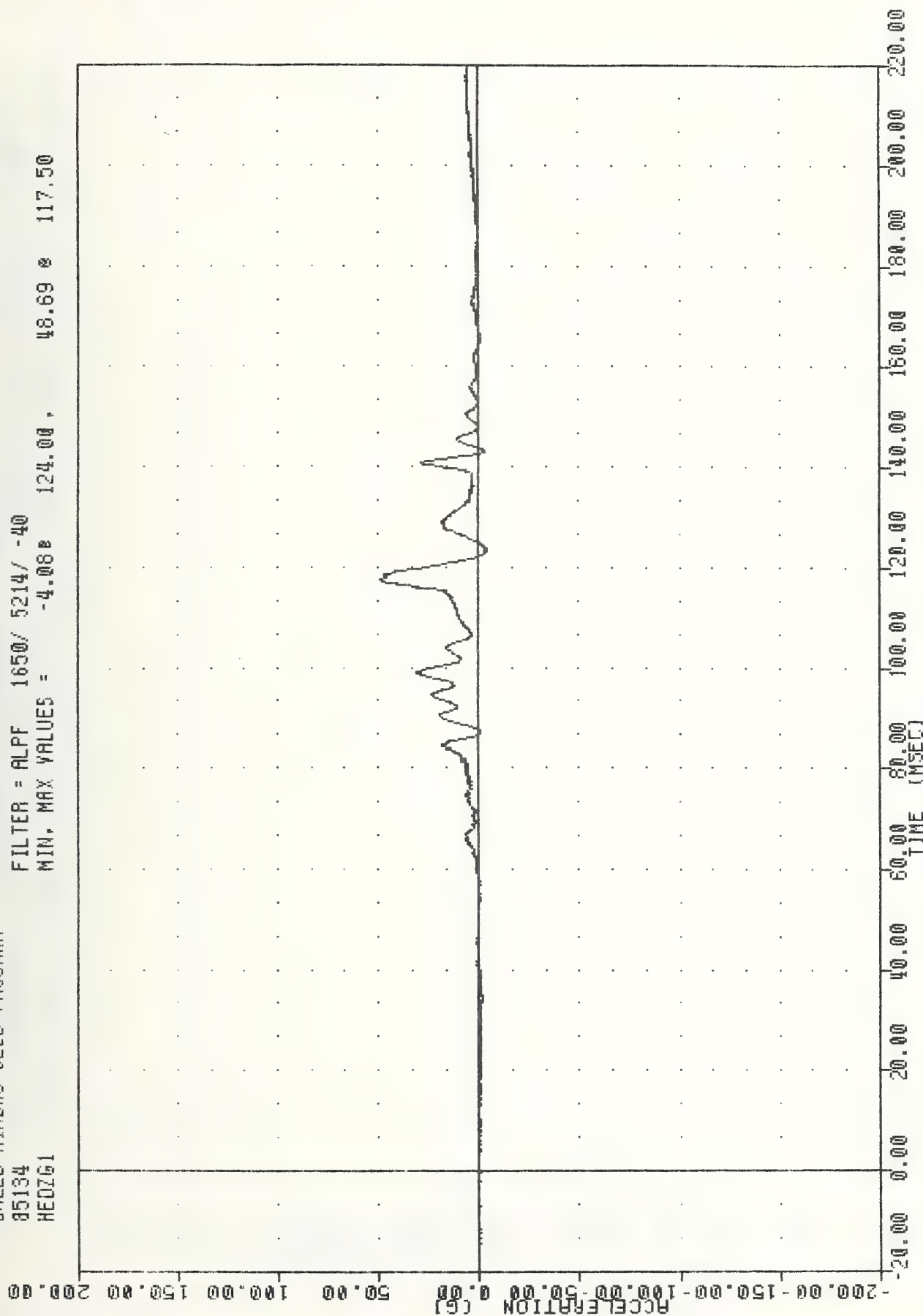
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

VRTC , R0384-4-31
BREED AIRBAG SLED PROGRAM
85134
HE0261

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -4.08g 124.00 , 48.69 g 117.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRIC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 CSTXG1

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 300/ 949/ -10

MIN. MAX VALUES = -41.08 90.50 , 3.49 151.63

100.00

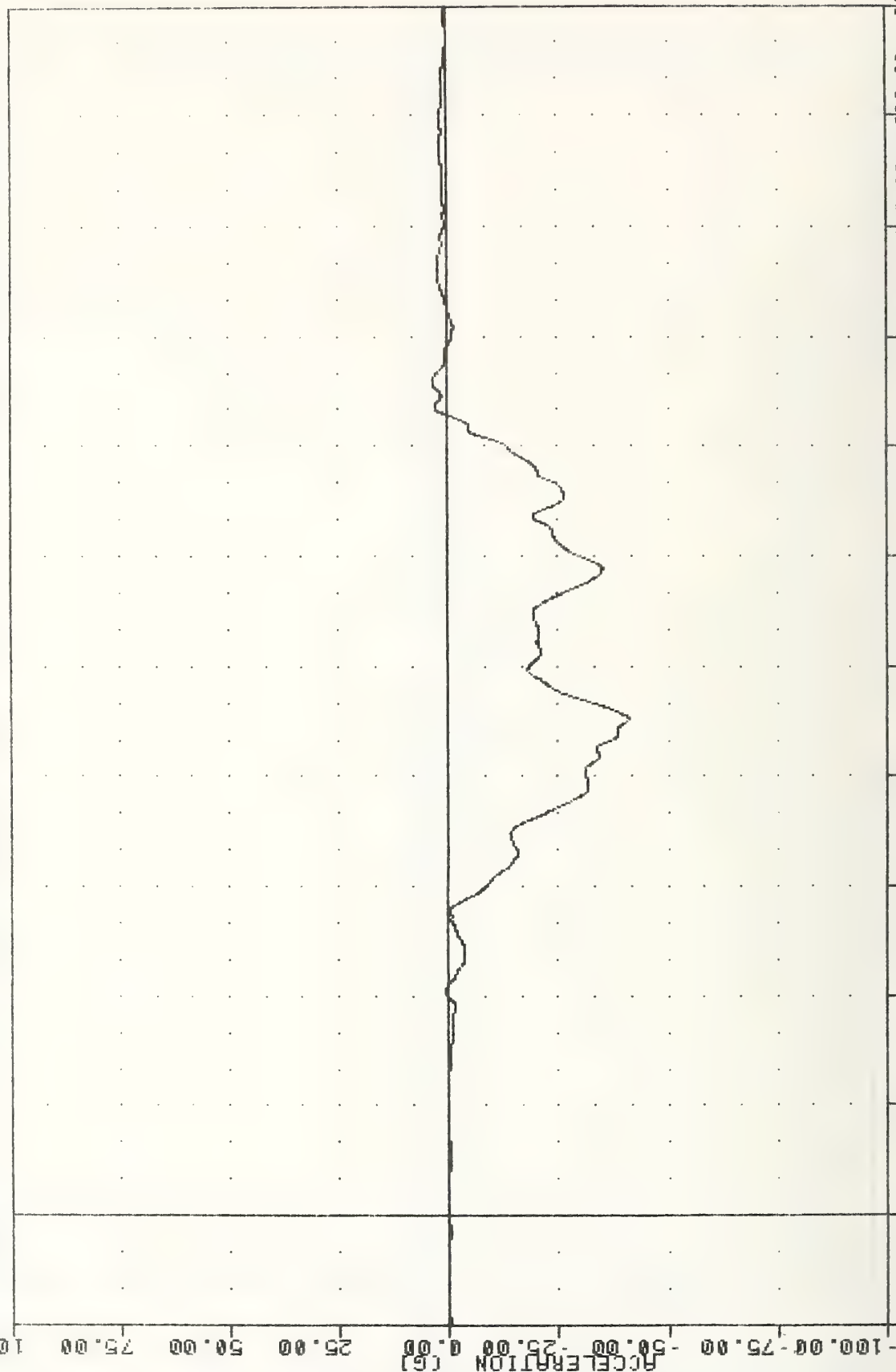
75.00

50.00

25.00

0.00

92



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION X AXIS

VRTC , RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
CSTXV1

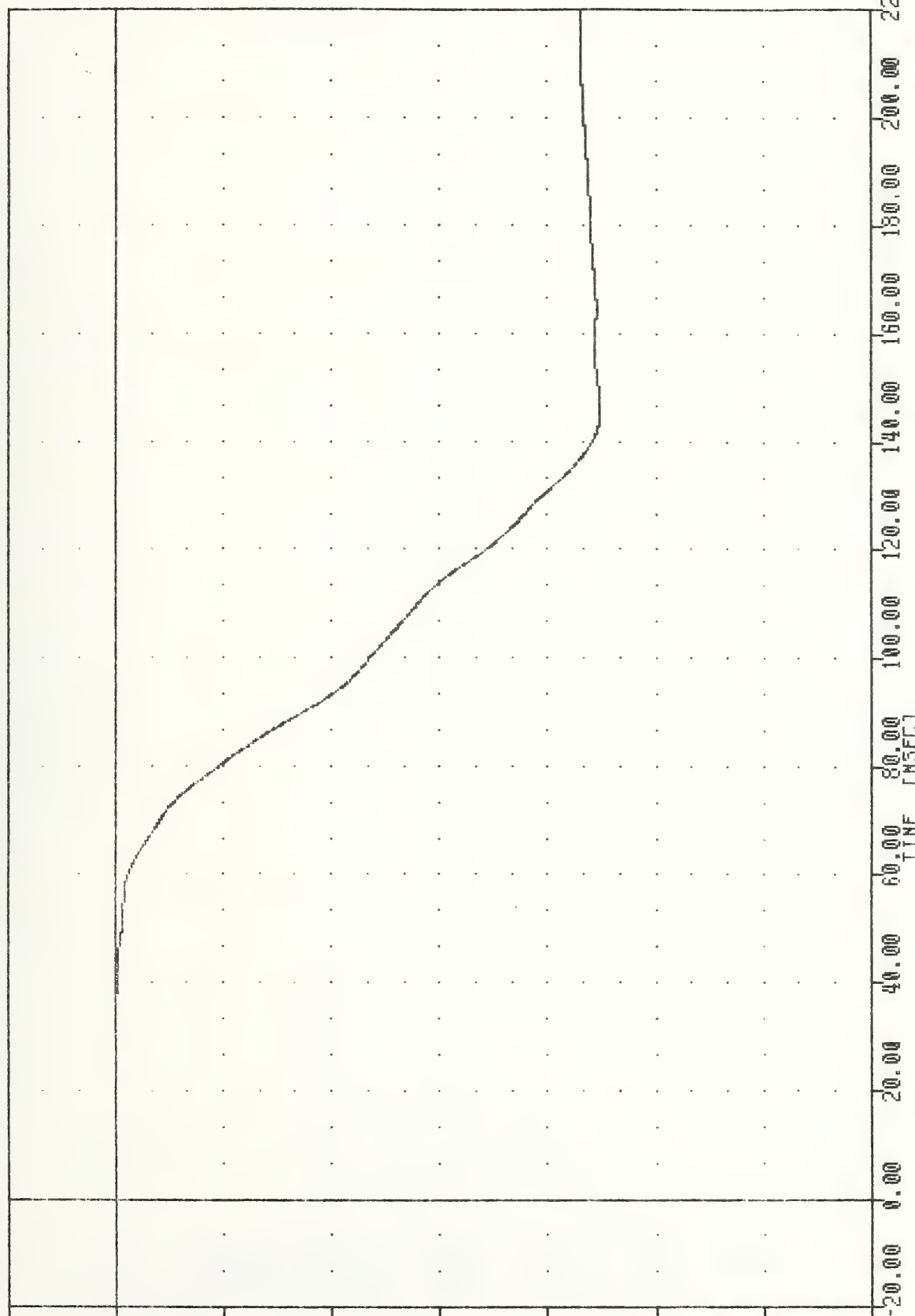
PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -44.900 145.50 , 0.03 e -10.13

10.00
0.00
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
-90.00
-100.00
-110.00
-120.00
-130.00
-140.00
-150.00
-160.00
-170.00
-180.00
-190.00
-200.00
-210.00
-220.00
-230.00
-240.00
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-320.00
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-380.00
-390.00
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-410.00
-420.00
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-680.00
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-700.00
-710.00
-720.00
-730.00
-740.00
-750.00
-760.00
-770.00
-780.00
-790.00
-800.00
-810.00
-820.00
-830.00
-840.00
-850.00
-860.00
-870.00
-880.00
-890.00
-900.00
-910.00
-920.00
-930.00
-940.00
-950.00
-960.00
-970.00
-980.00
-990.00
-1000.00

93



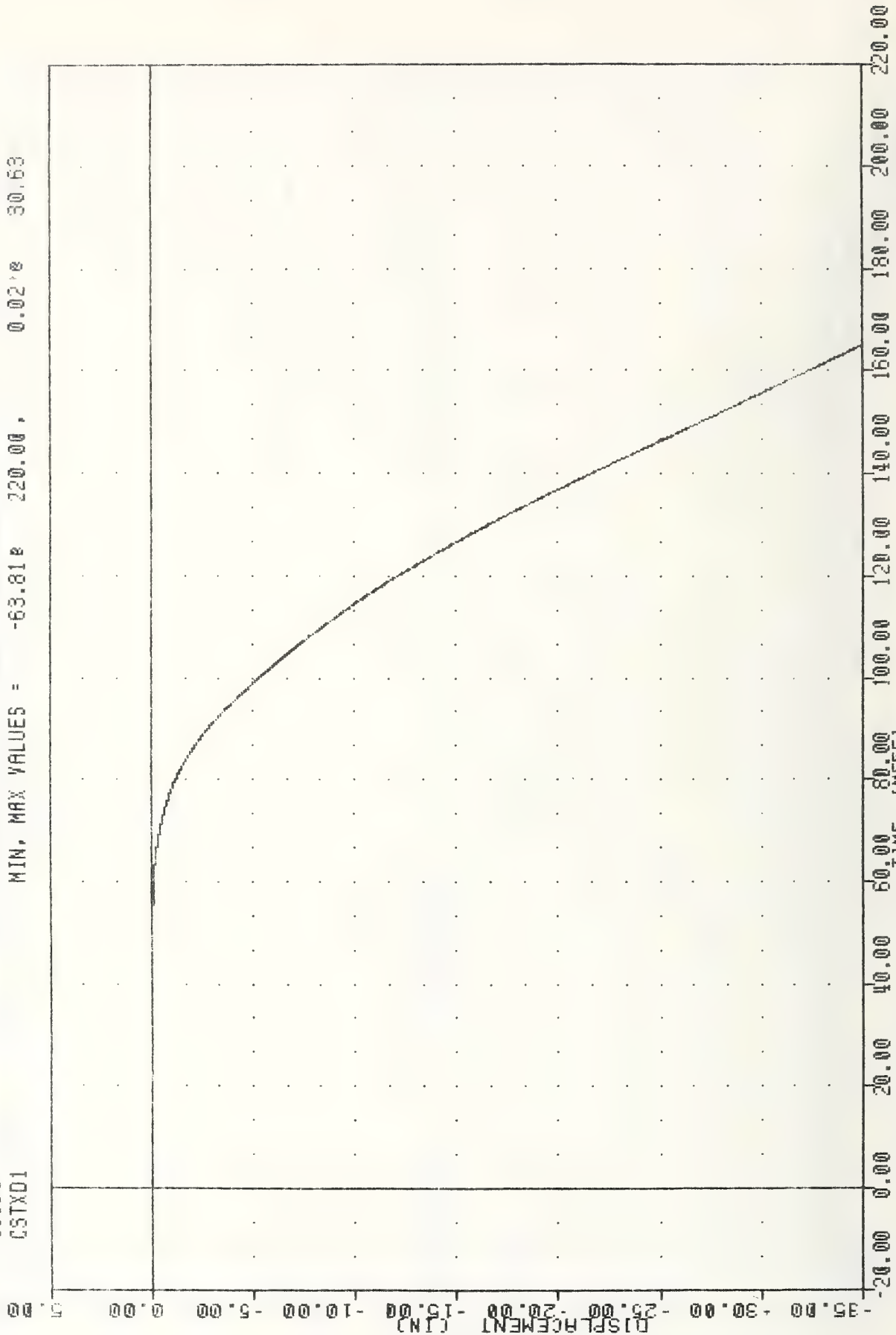
CHEVROLET IMPALA SLED TEST - 95 MPH - 95TH PERCENTILE DUMMY
DELTA V USING CSTXG1

VRTC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 35134
 CSTXD1

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -63.81e 220.00, 0.02e 30.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING CSTXV1

VRAC
BREED AIRBAG SLED PROGRAM
85134
CSTY61

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -3.89e 84.38, 1.88 e 125.00

100.00

75.00

50.00

25.00

0.00

-25.00

-50.00

-75.00

-100.00

-20.00

0.00

20.00

40.00

60.00

80.00

100.00

120.00

140.00

160.00

180.00

200.00

220.00

TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC , R0384-4-31
BREED AIRBAG SLED PROGRAM
85134
CSTZG1

PLOT DATE 15-MAY-85 10:50:27

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -11.728 87.38 , 20.83 125.25

100.00

75.00

50.00

25.00

0.00

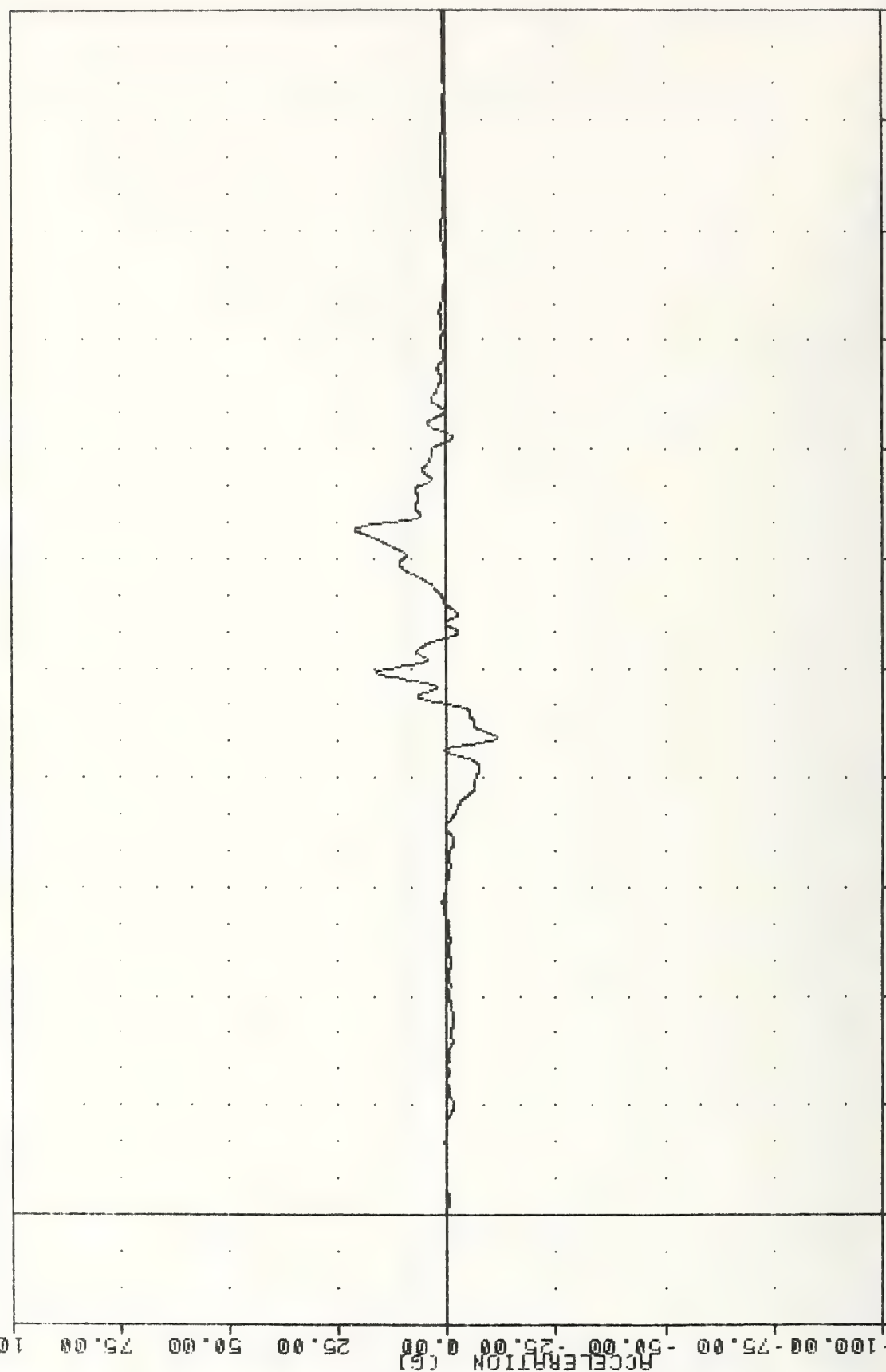
-25.00

-50.00

-75.00

-100.00

96

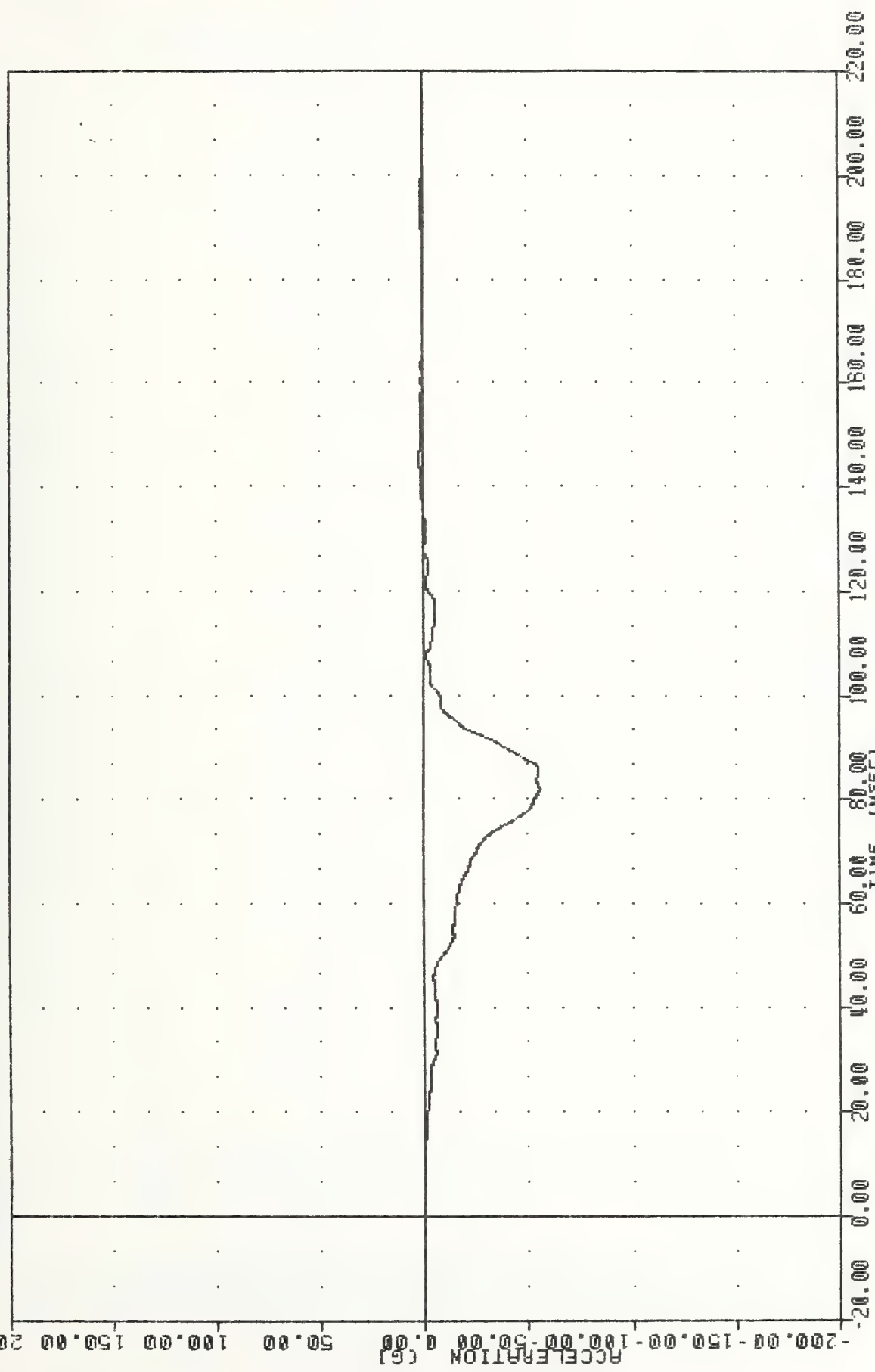


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

VRIC
BREED AIRBAG SLED PROGRAM
85134
PEVXG1

PLOT DATE 15-MAY-85 10:30:27
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -55.53e 81.88. 2.54 e 145.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

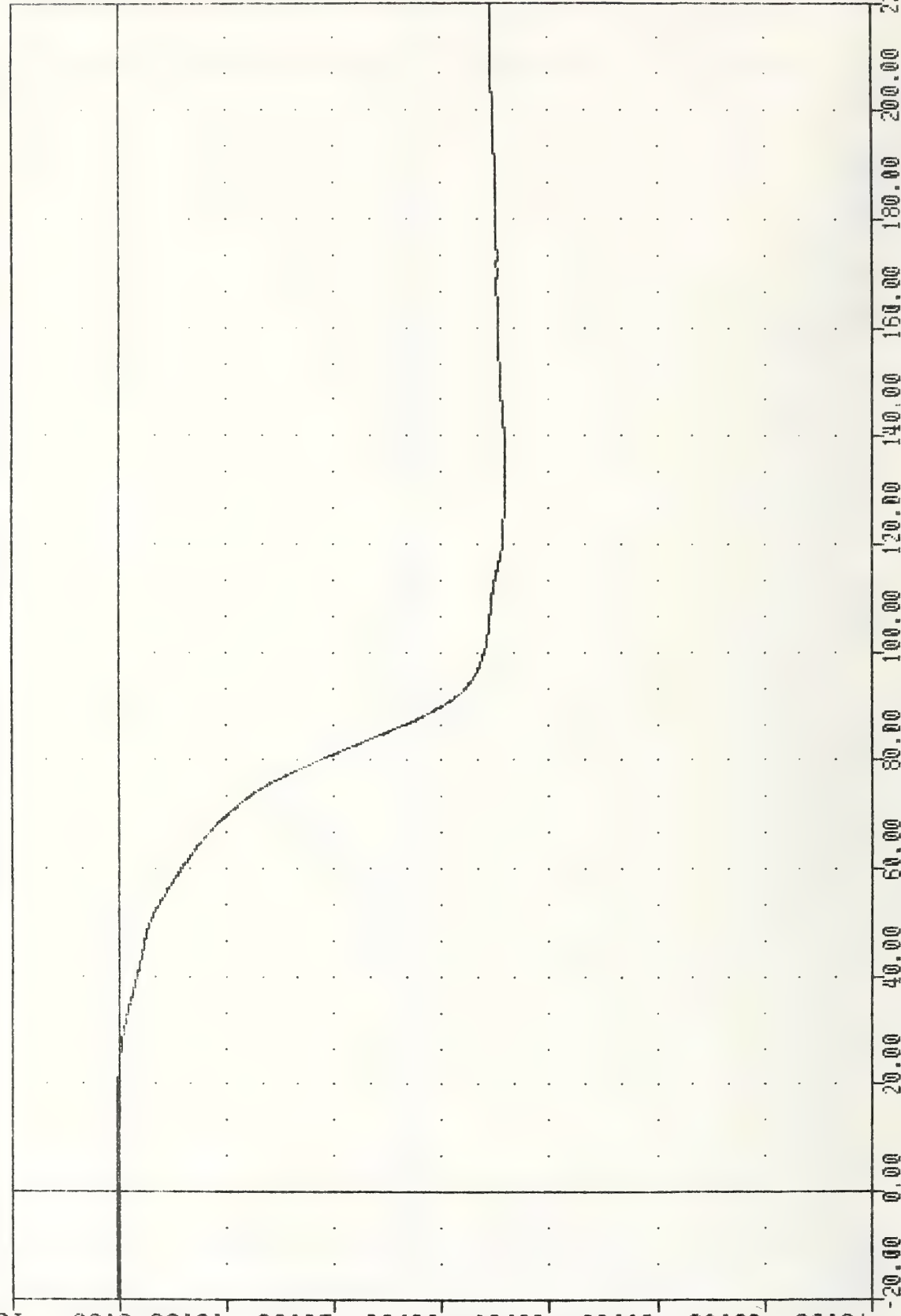
WRTC , R0384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 PEVXV1

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -35.918 134.25 , 0.22 8 -2.00

VELOCITY (MPH)



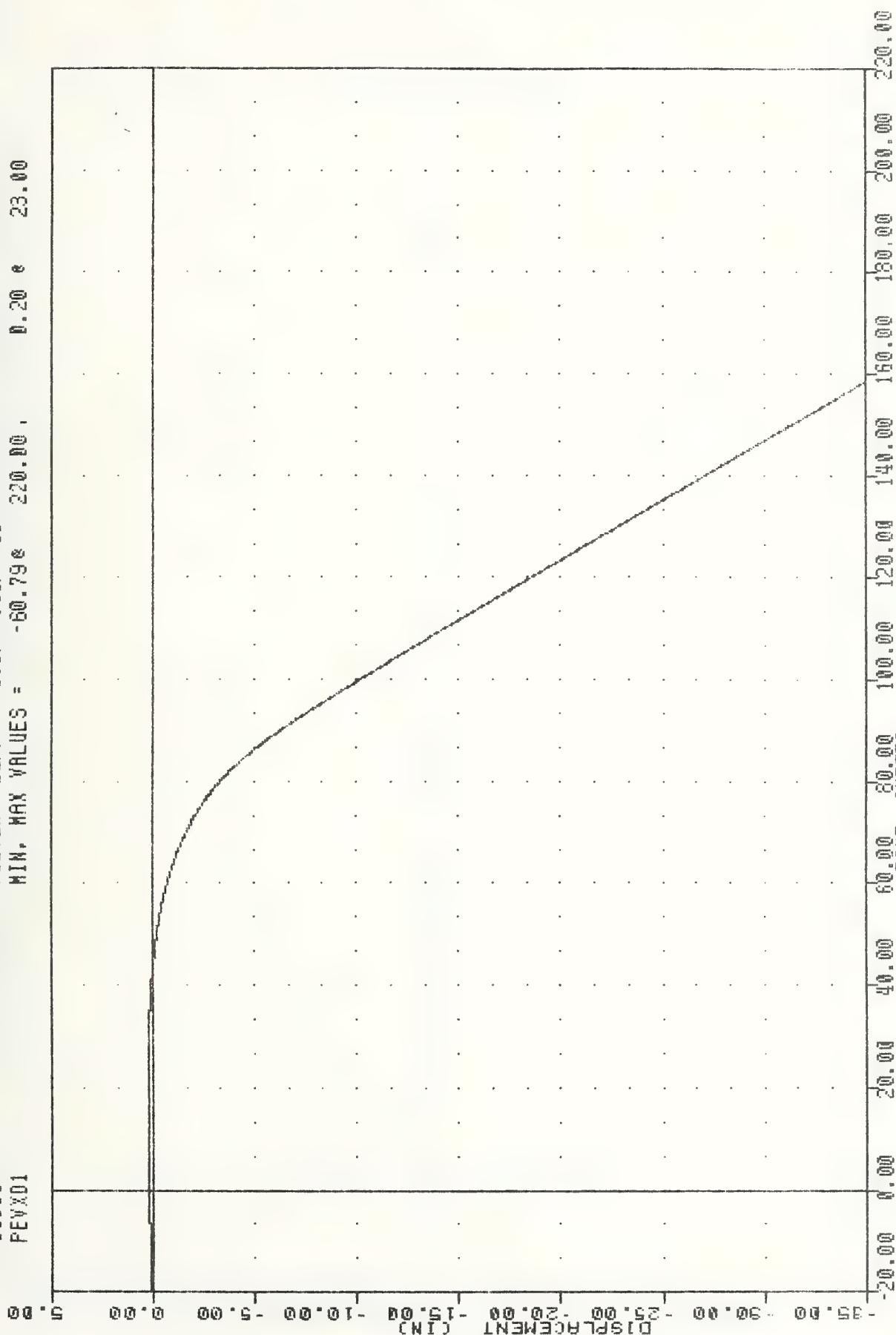
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING PEVXG1

VRTC
BREED AIRBAG SLED PROGRAM
85134
PEVXD1

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -60.79s 220.00s 0.20 e 23.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

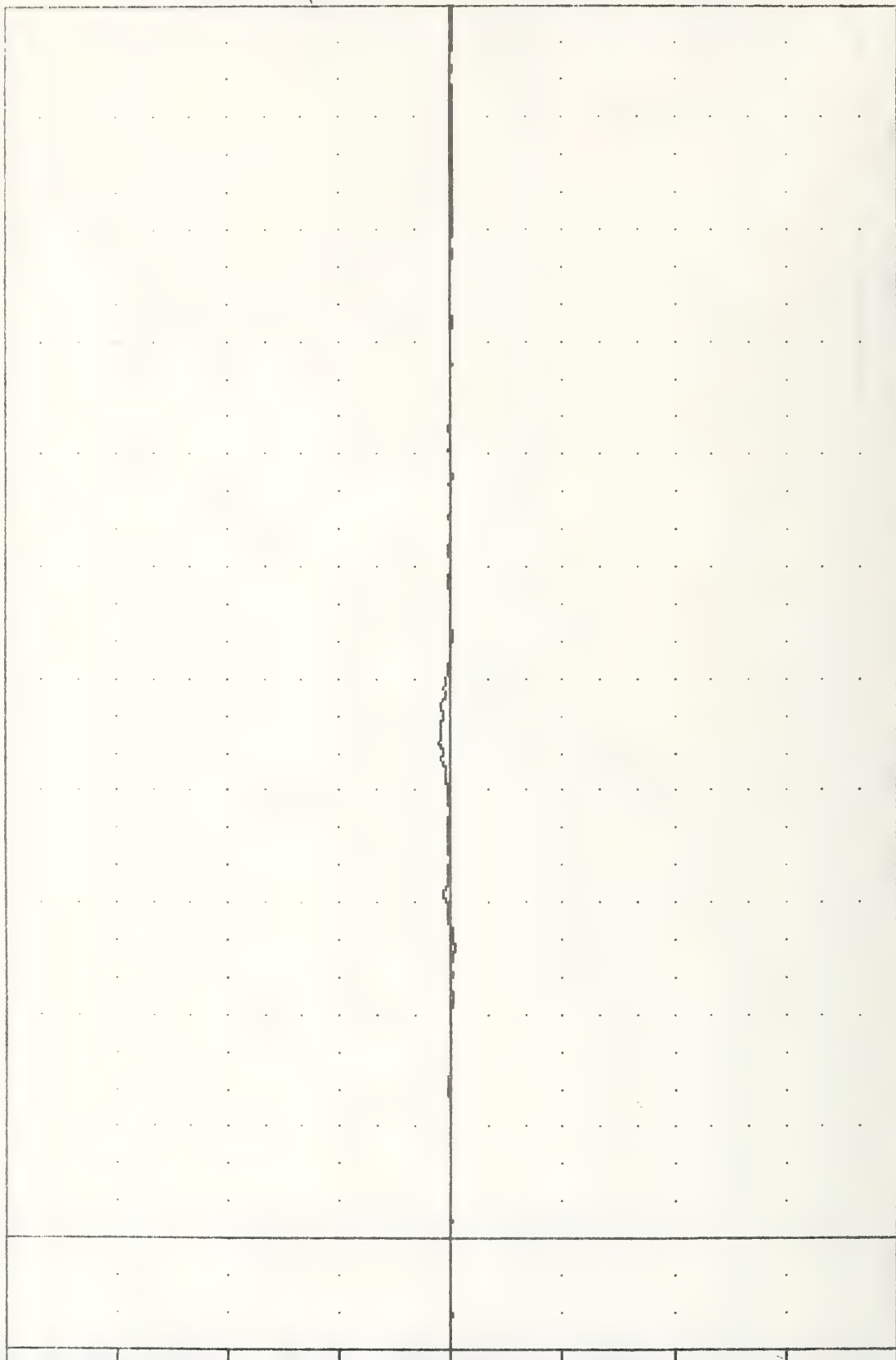
DELTA X USING PEVXV1

VRTC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 PEVY61

PLOT DATE 15-MAY-85 10:00:27

FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -1.71g 52.13, 5.15 g 88.50

ACCELERATION (G)



TIME (MSEC)

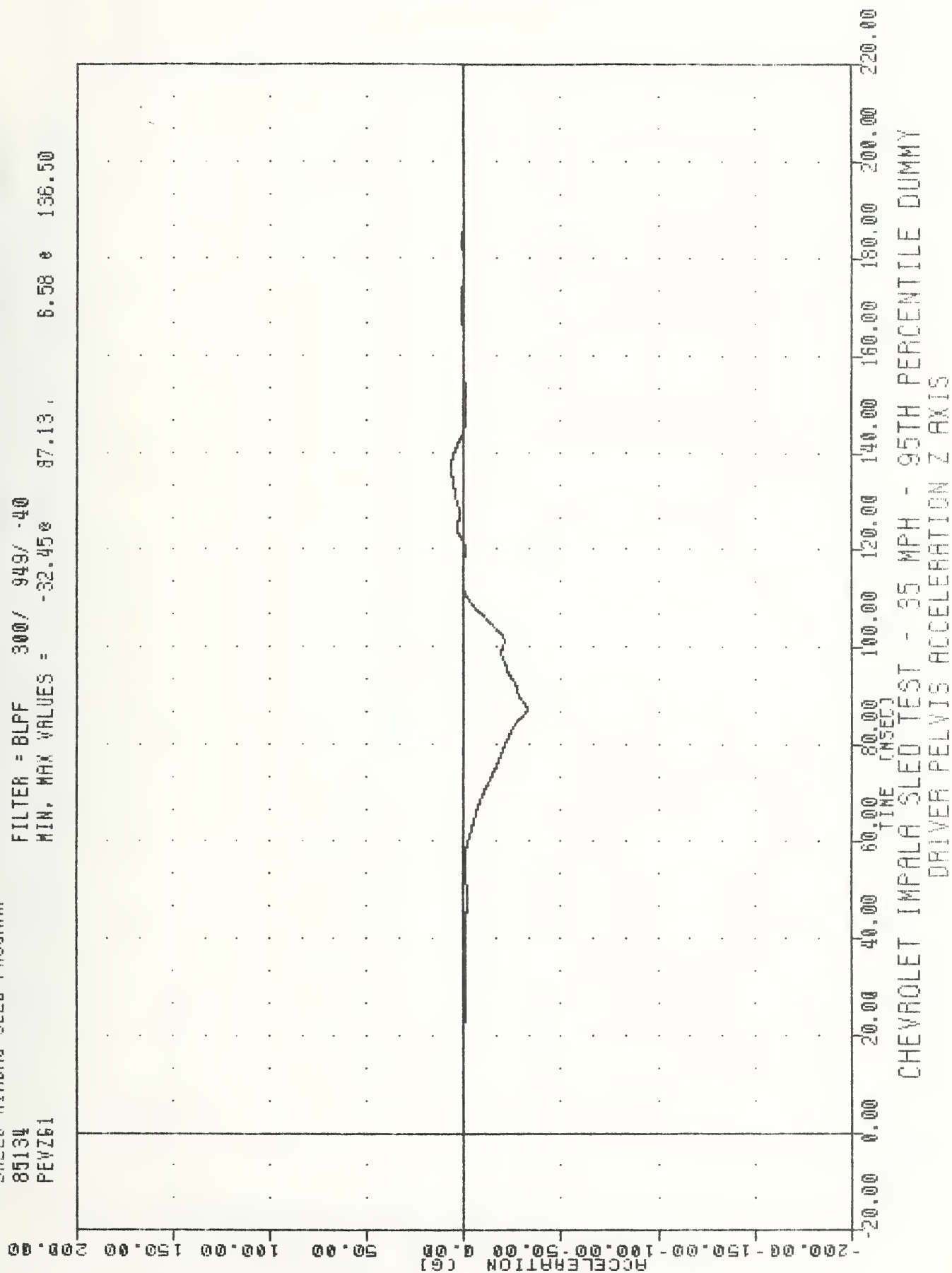
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

WATC RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
PEVZ61

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -32.45 87.13 6.58 136.50

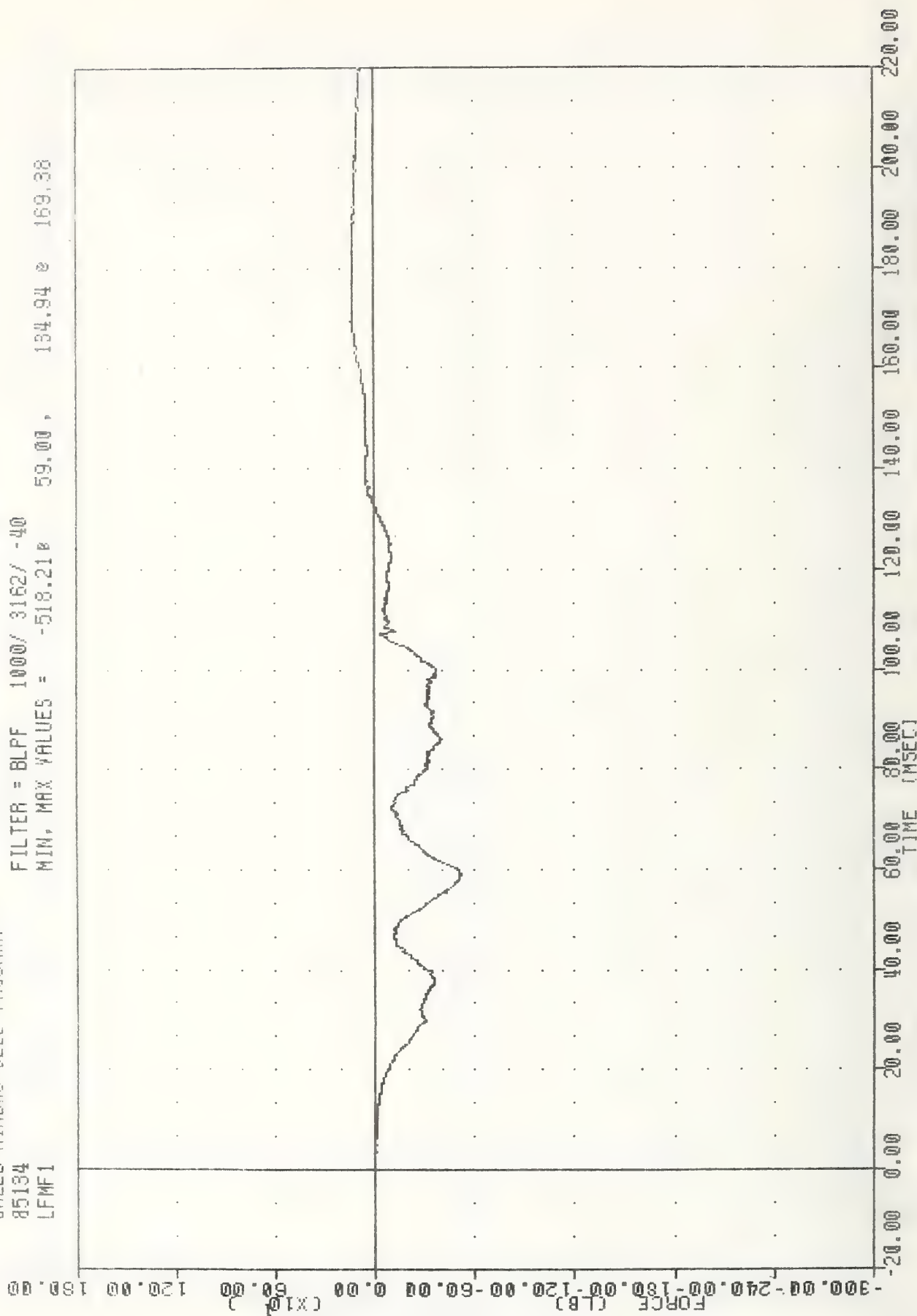


VRTC R0384-4-31
BREED AIRBAG SLED PROGRAM
85134
LFMF1

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -518.210 59.00, 134.94 169.38

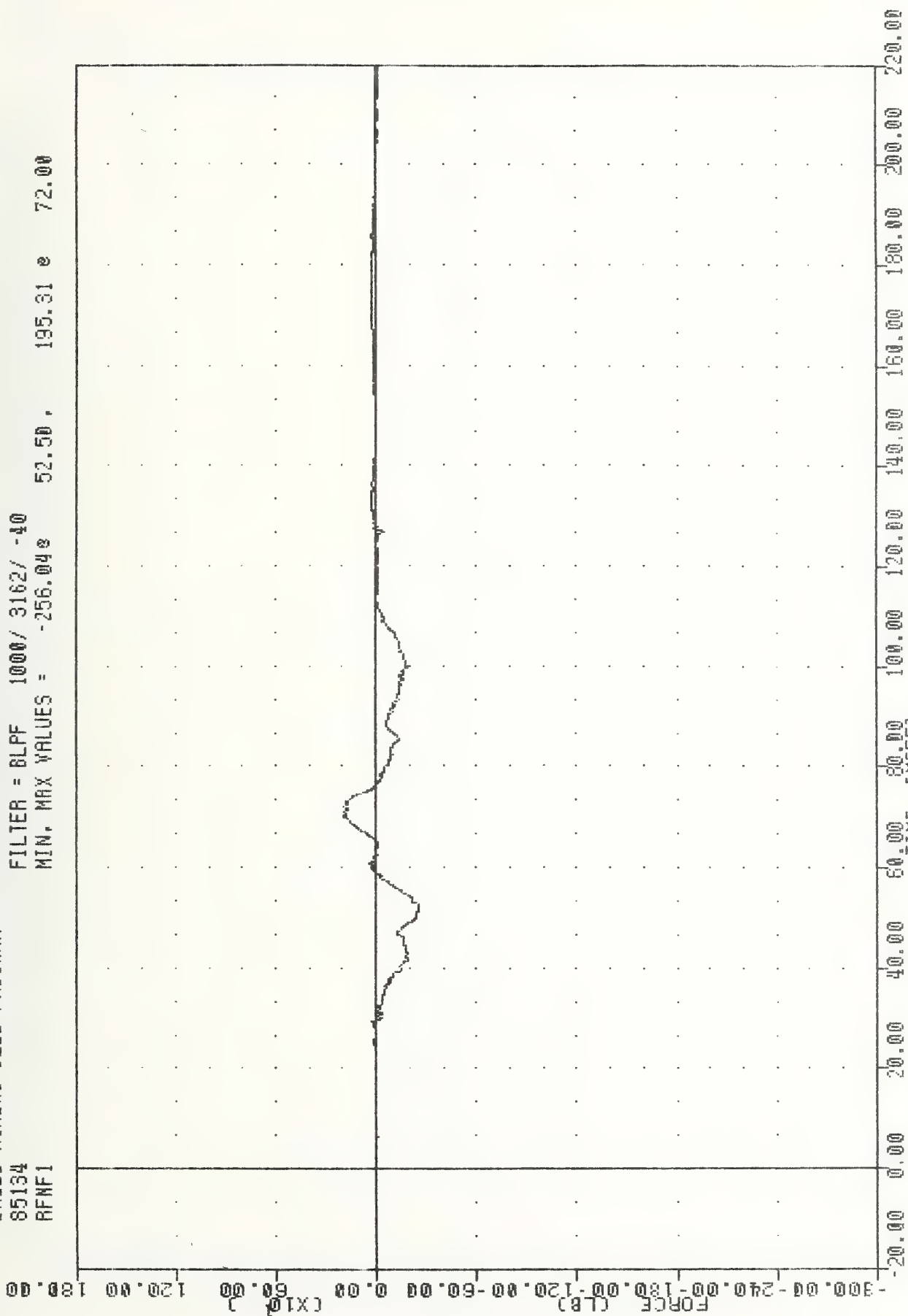


VRTC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 RFNF1

PLOT DATE 15-MAY-85 10:30:27

FILTER = 8LPF 1000/ 3162/ -40

MIN, MAX VALUES = -256.04g 52.50 , 195.31 e 72.00

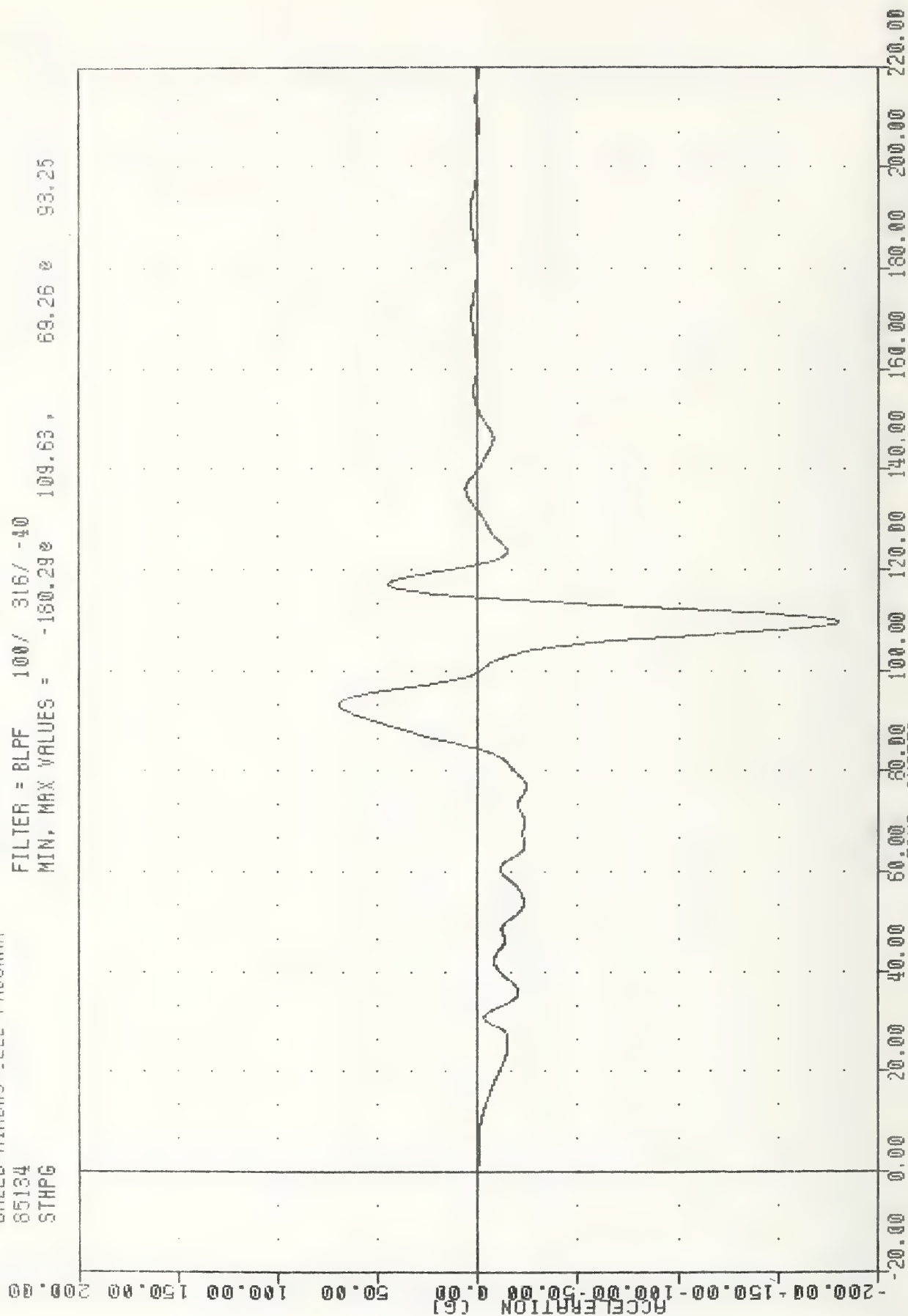


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER RIGHT FEMUR FORCE

VRTC , 80384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 STPG

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 100/ 316/ -40
 MIN, MAX VALUES = -180.29e 109.63, 69.26 e 93.25



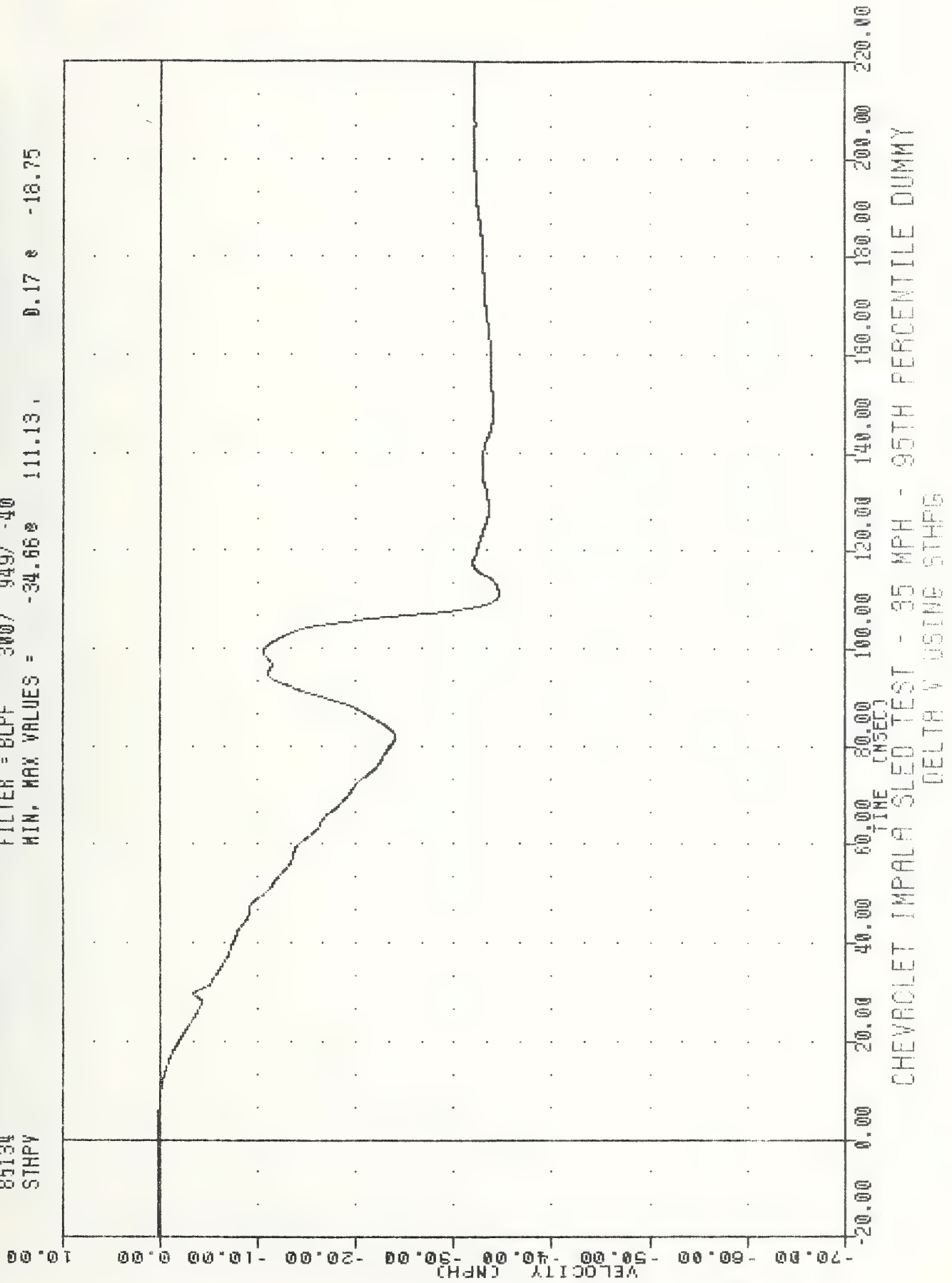
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION A-P AXIS

VATC , RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
STHPV

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -34.66e 111.13, 0.17 e -18.75

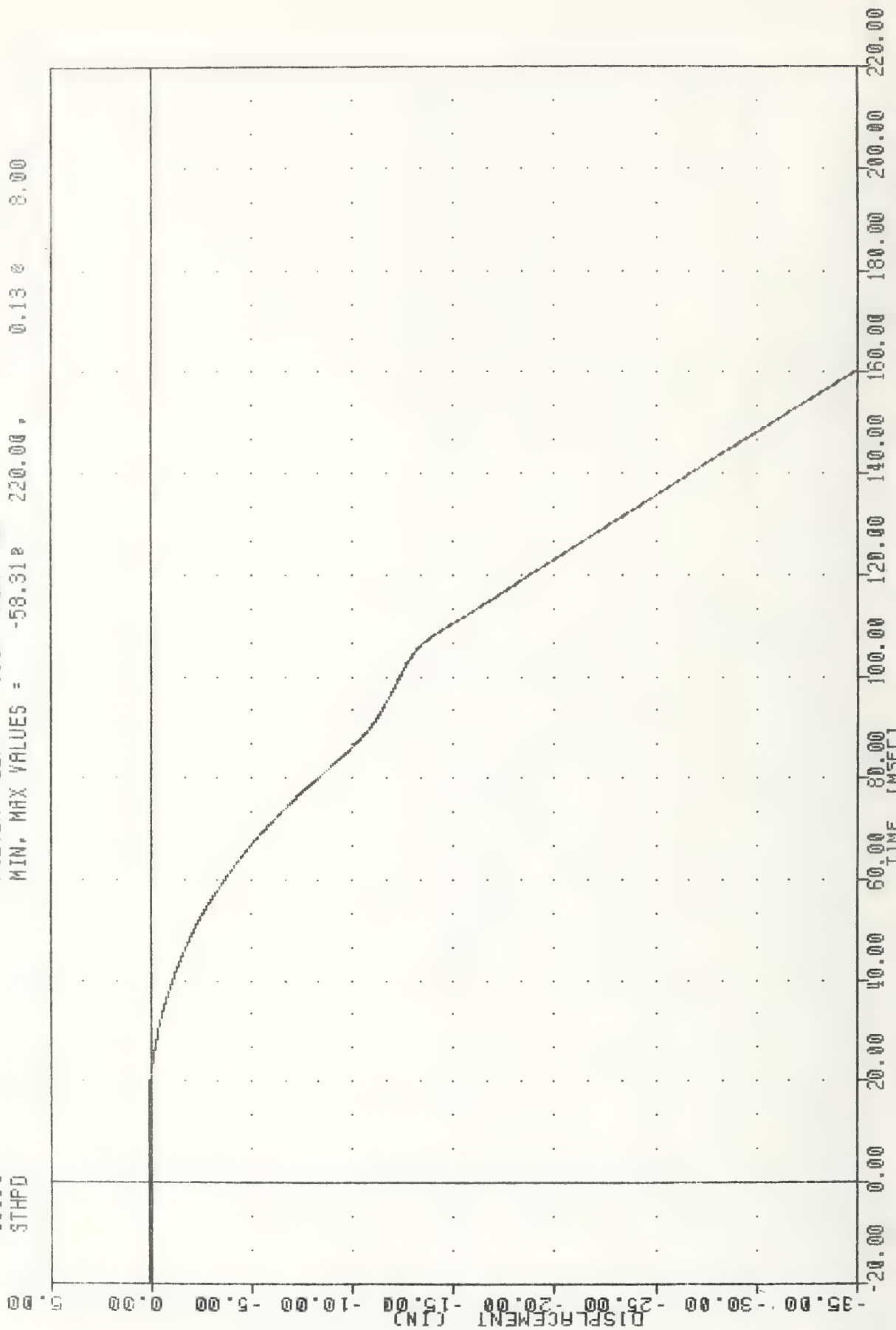


VRTC
BREED AIRBAG SLED PROGRAM
85134
STHPD

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -58.31e 220.00, 0.13 e 8.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING STHPV

WRTC , RD384-4-31 PLOT DATE 15-MAY-85 10:50:27

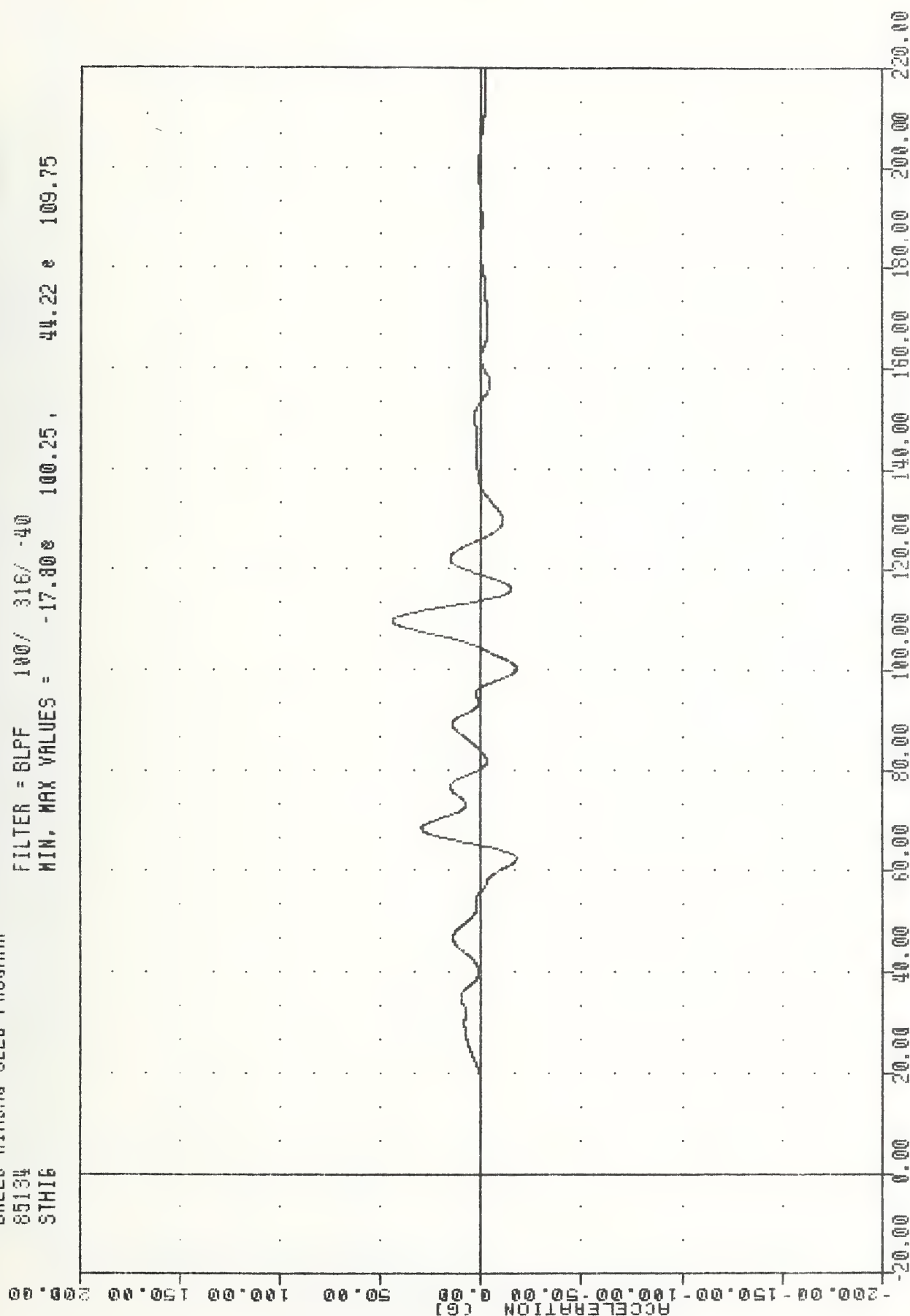
BREED AIRBAG SLED PROGRAM

85134

STH16

FILTER = BLPF 100/ 316/ -40

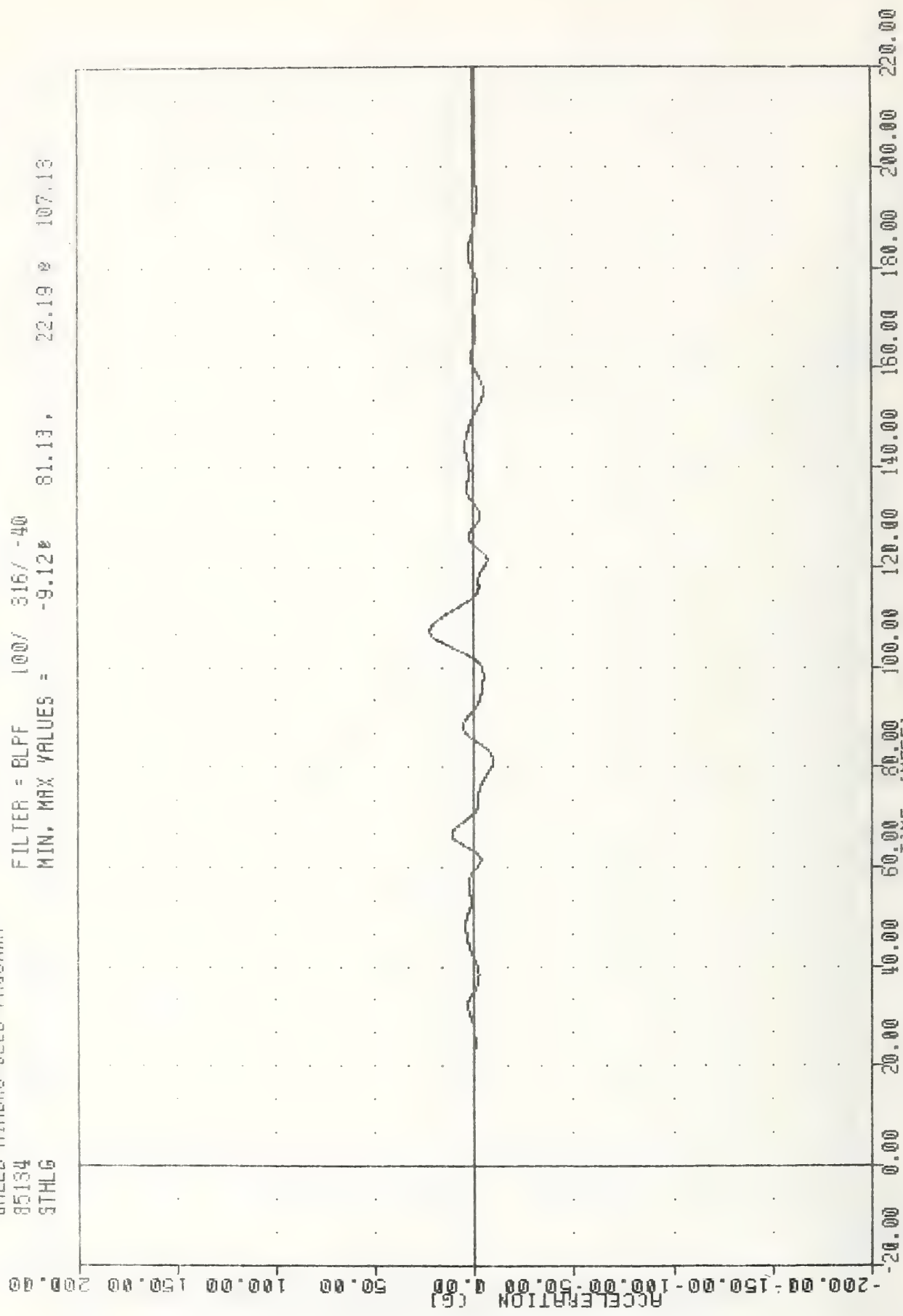
MIN. MAX VALUES = -17.80e 100.25 , 44.22 e 109.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

VRTC
 BREED AIRBAG SLED PROGRAM
 85134
 STHLG

PLUT DATE 15-MAY-85 10:30:27
 FILTER = BLPF 100/ 316/ -40
 MIN, MAX VALUES = -9.12% 81.13, 22.19 % 107.13



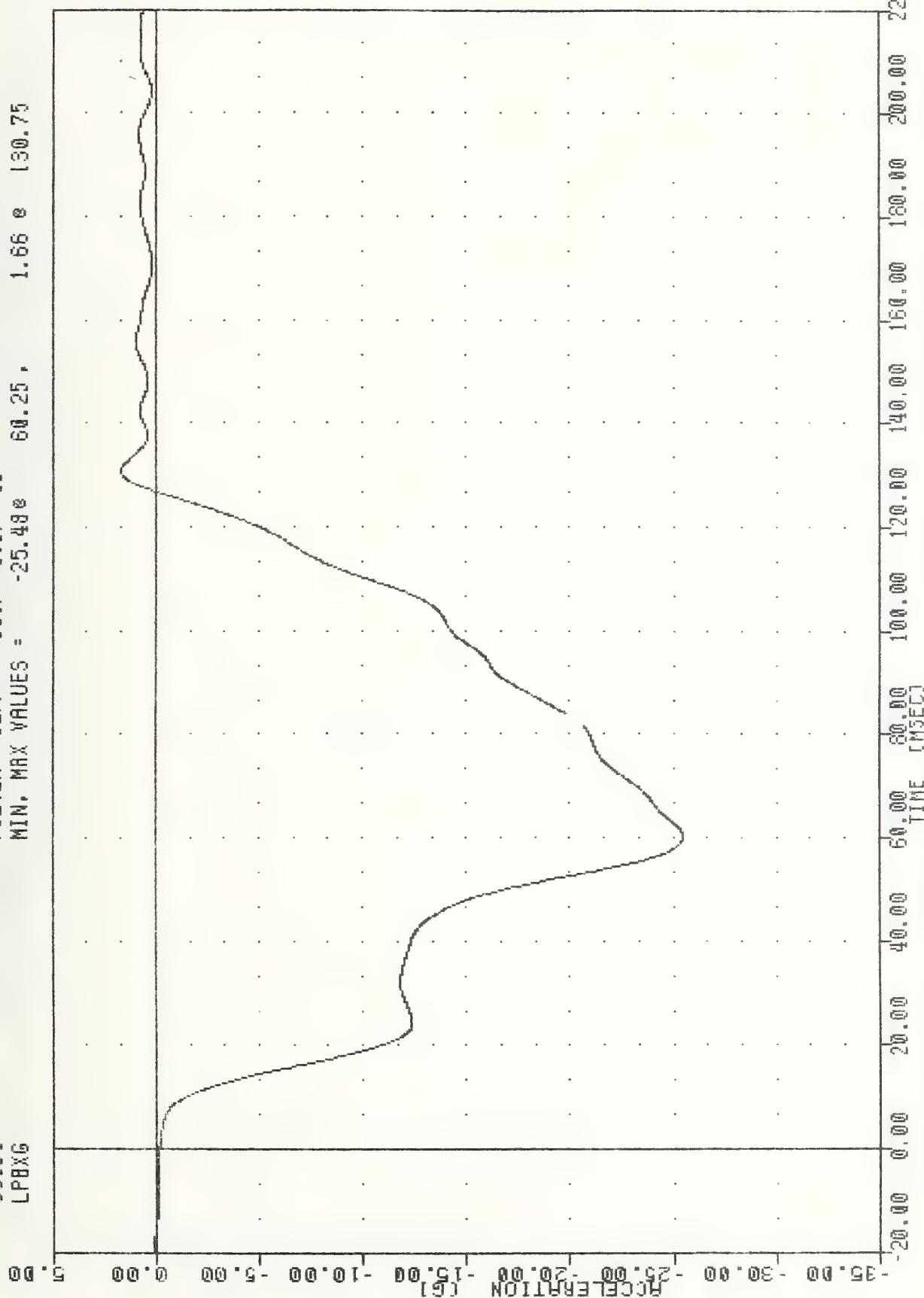
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION M-L AXIS

VRIC , RD384-4-31
BREED AIRBAG SLED PROGRAM
25134
LPBXG

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 100/ 316/ -40

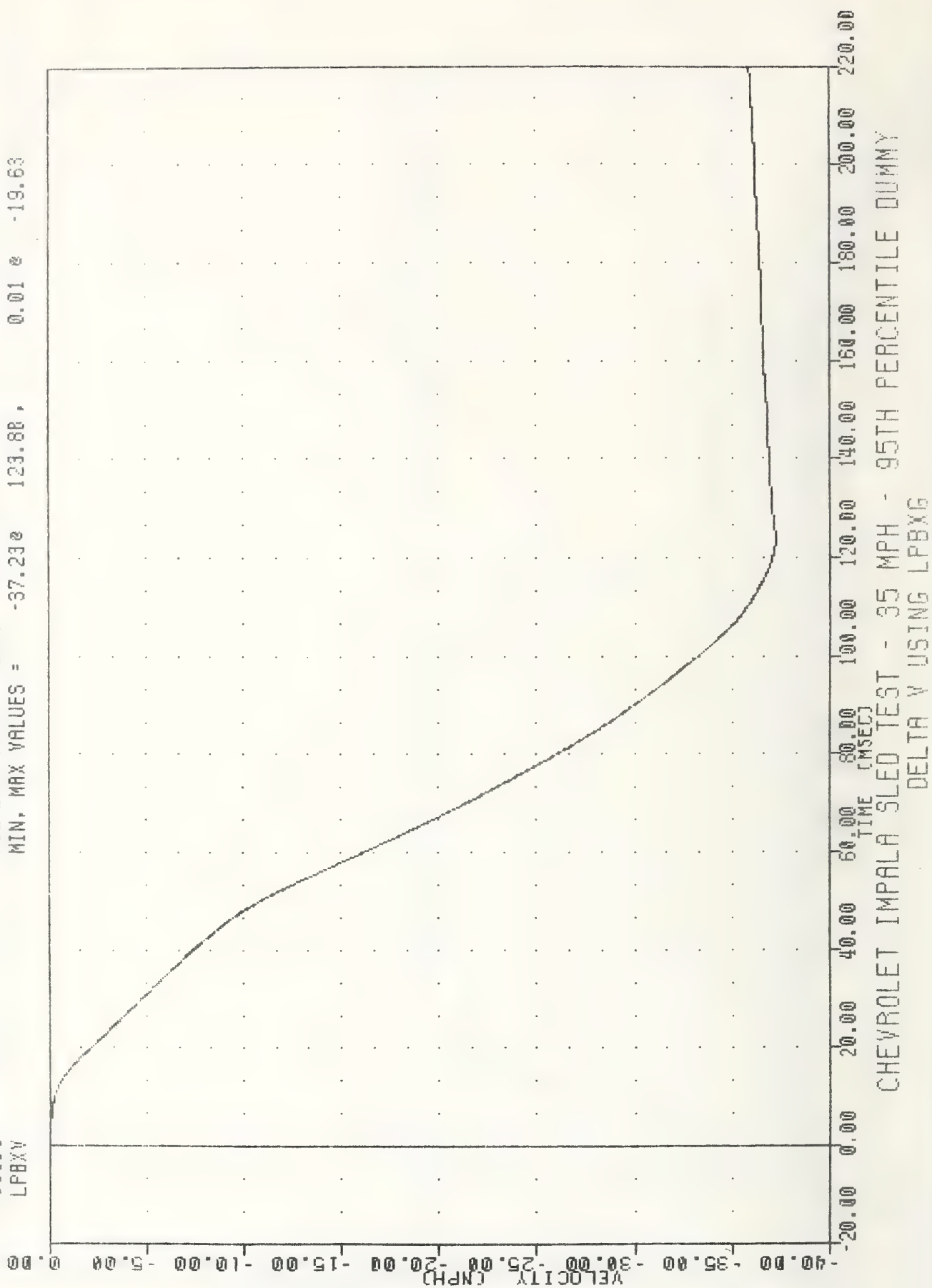
MIN. MAX VALUES = -25.48e 60.25, 1.66 e 130.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRIC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 LPBXV

PLOT DATE 15-MAY-85 10:51:52
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -37.23e 123.88, 0.01 e -19.63



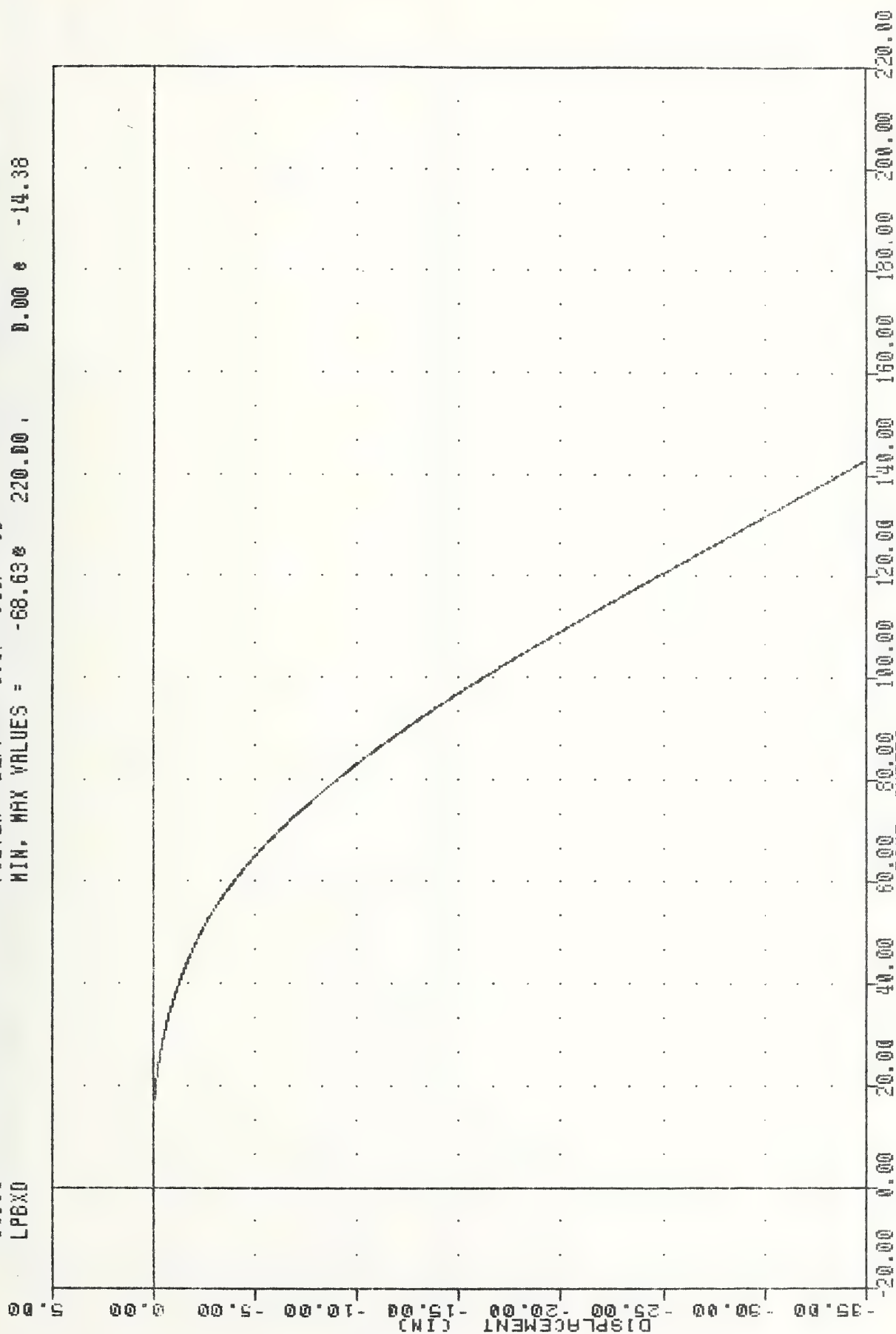
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING LPBX6

VATC RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
LPBXD

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -68.63 220.00 0.00 e -14.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

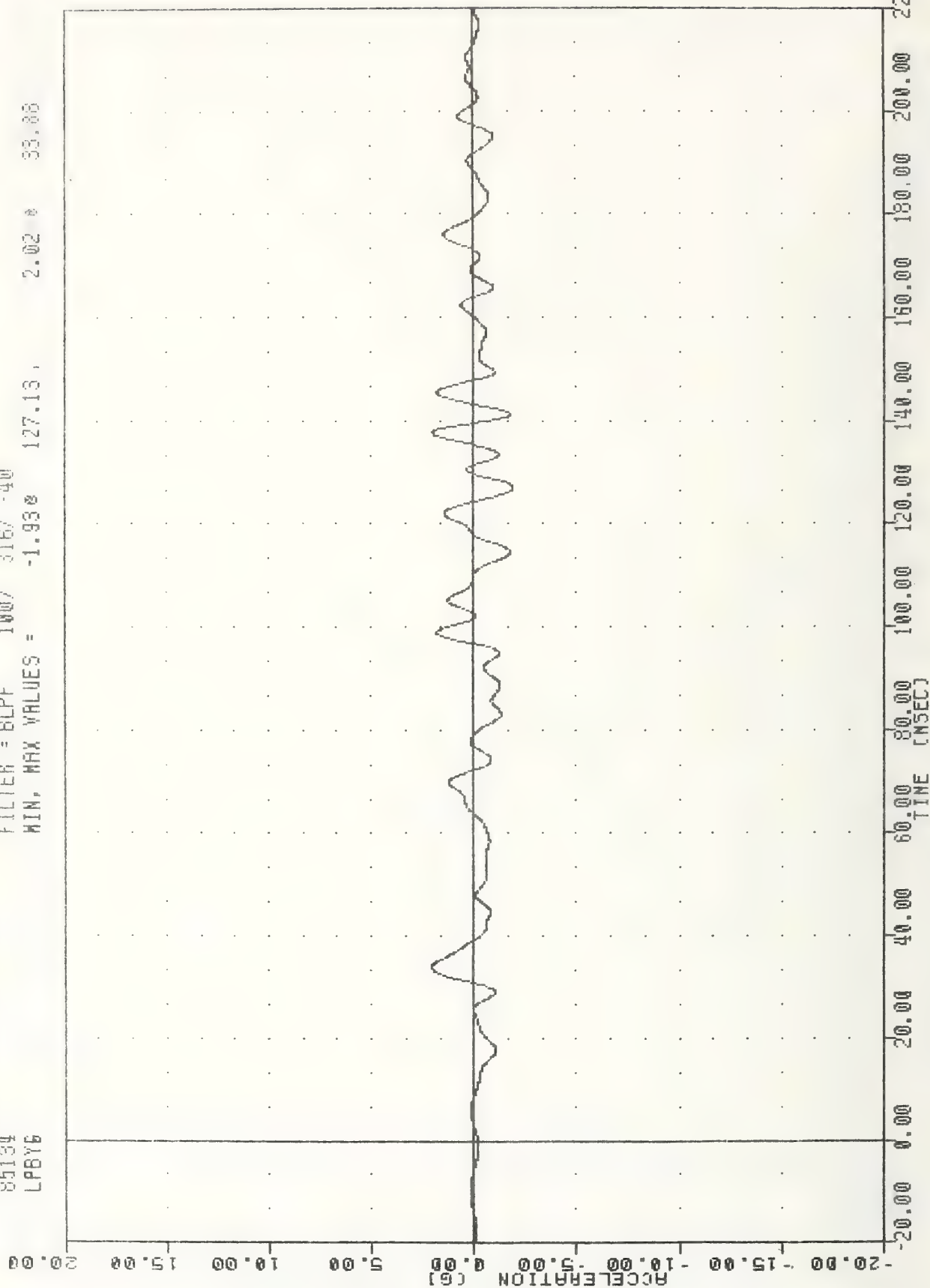
DELTA X USING LPBXV

VRFC , R0384-4-31
BREED AIRBAG SLED PROGRAM
85134
LPBY6

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -1.938 127.13, 2.02 # 33.86



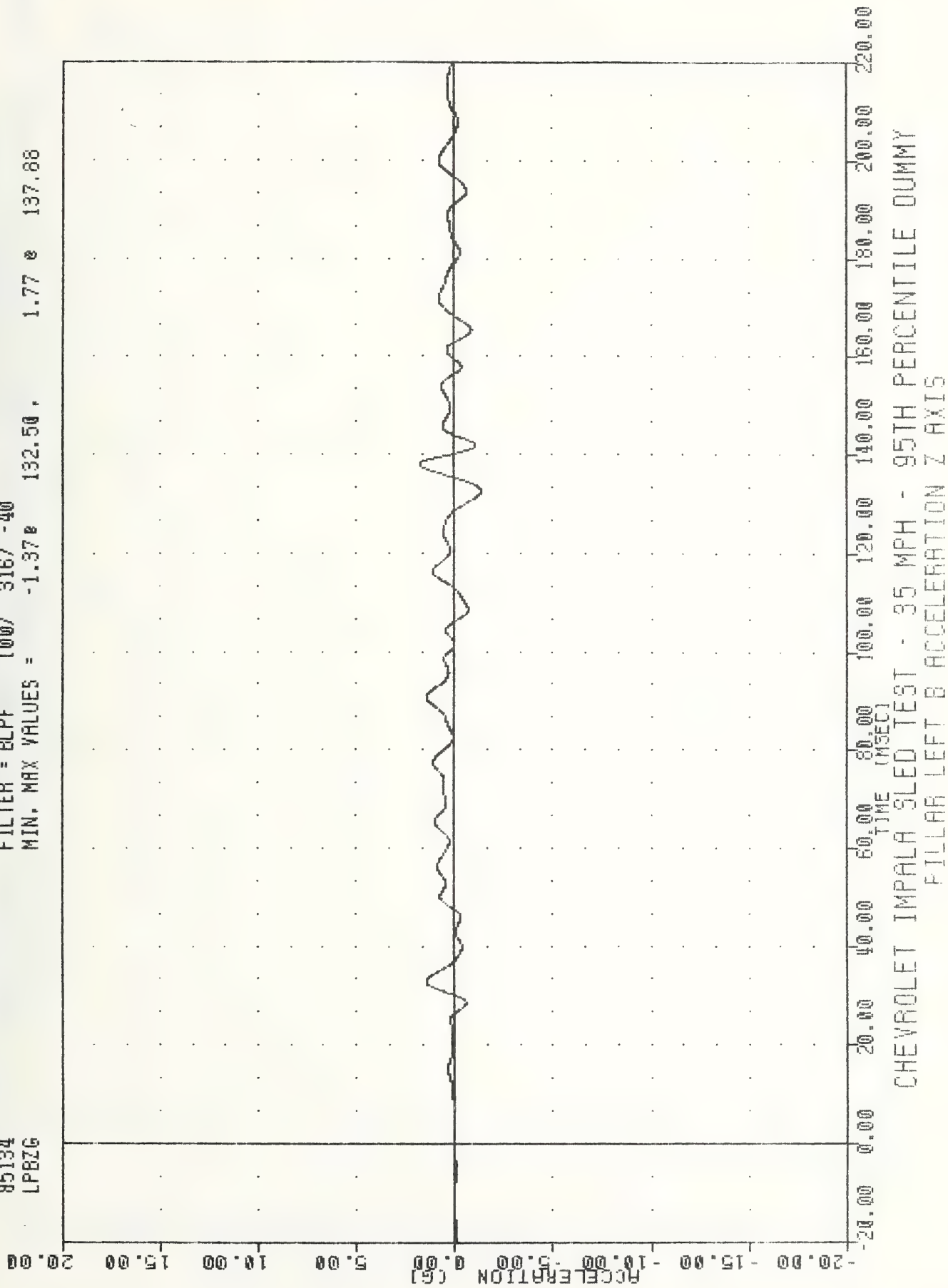
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC , RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
LPBZG

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.37g 132.50 , 1.77g 137.88

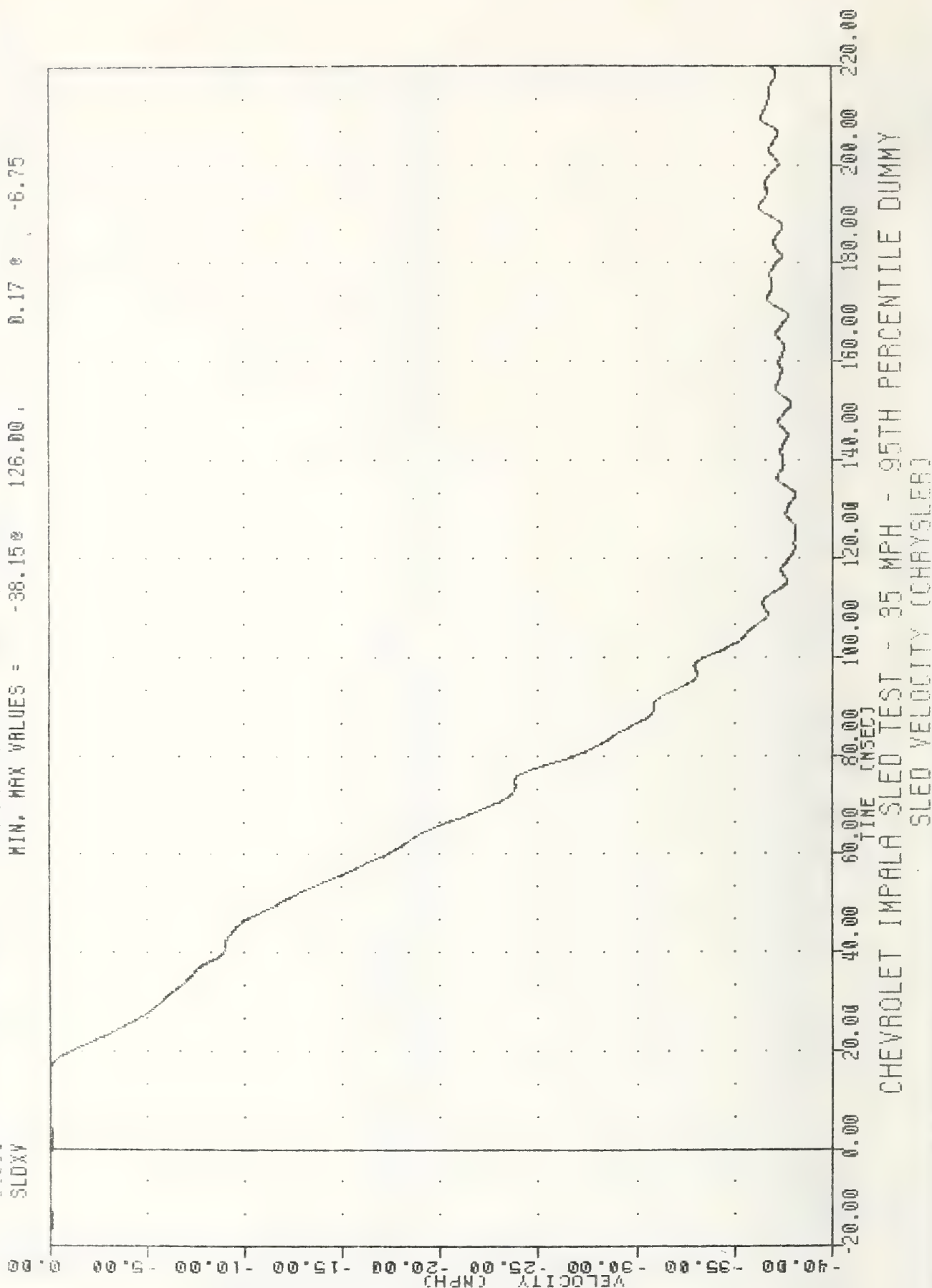


DATE: 00054-4-31
BREED AIRBAG SLED PROGRAM
85134
SLOXY

PLUT CRTE: 13-MAY-85 14:19.7

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -38.15° 126.00, 0.17 ° -6.75

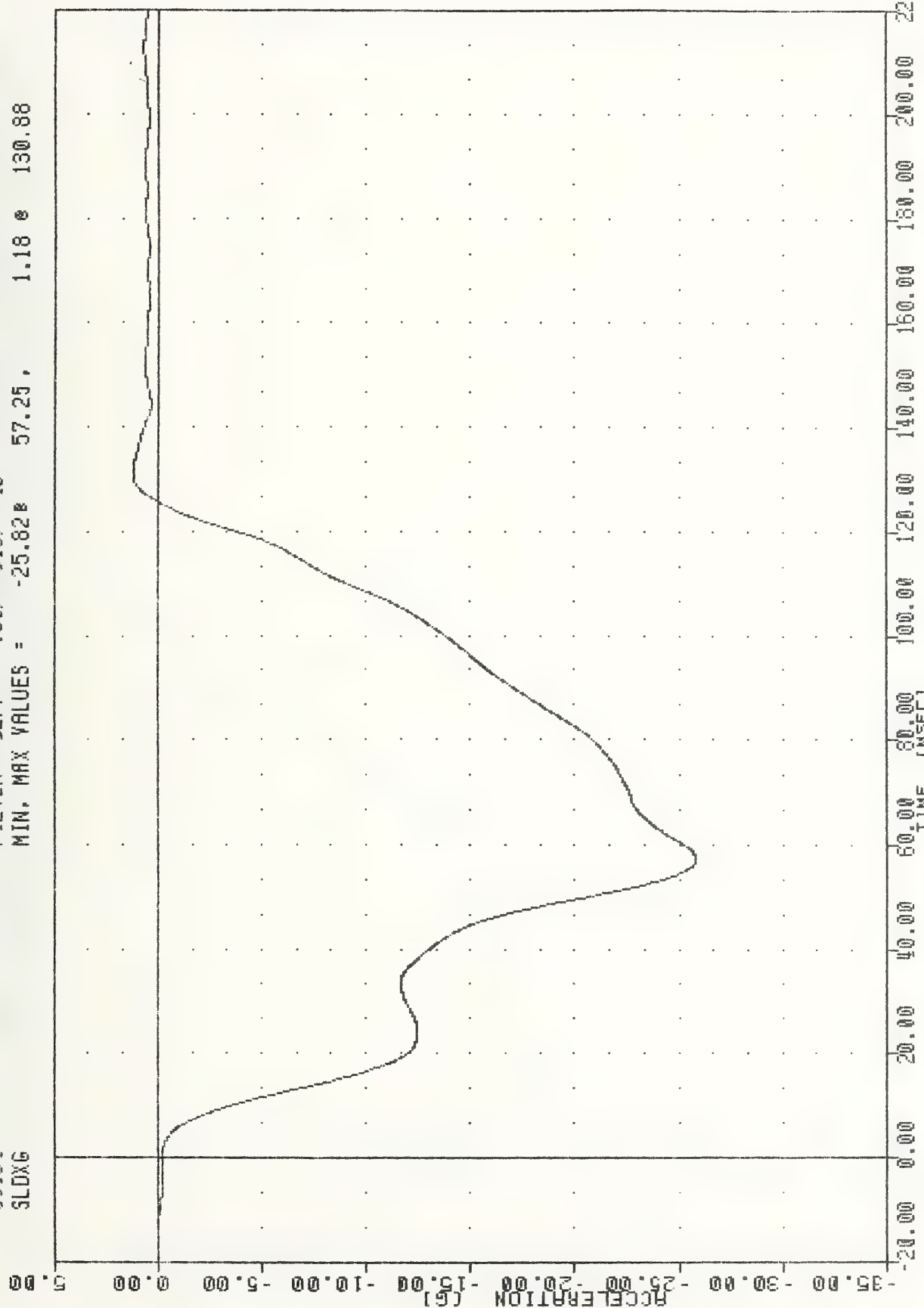


VRTC , RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
SLDXG

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.62 57.25, 1.18 130.88



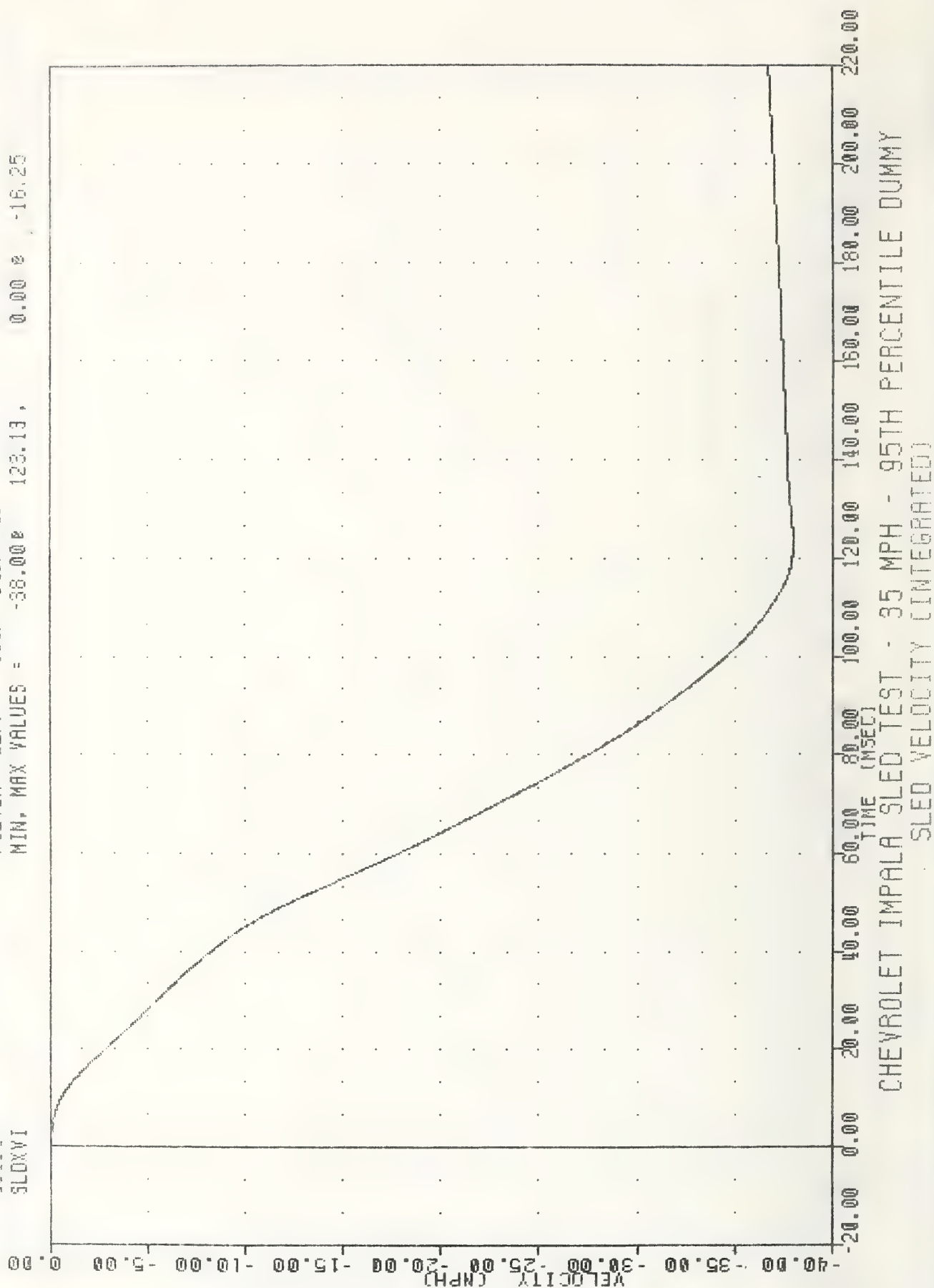
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED ACCELERATION

VRFC
BREED AIRBAG SLED PROGRAM
85134
SLOXYI

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -38.000 123.13, 0.000 -16.25

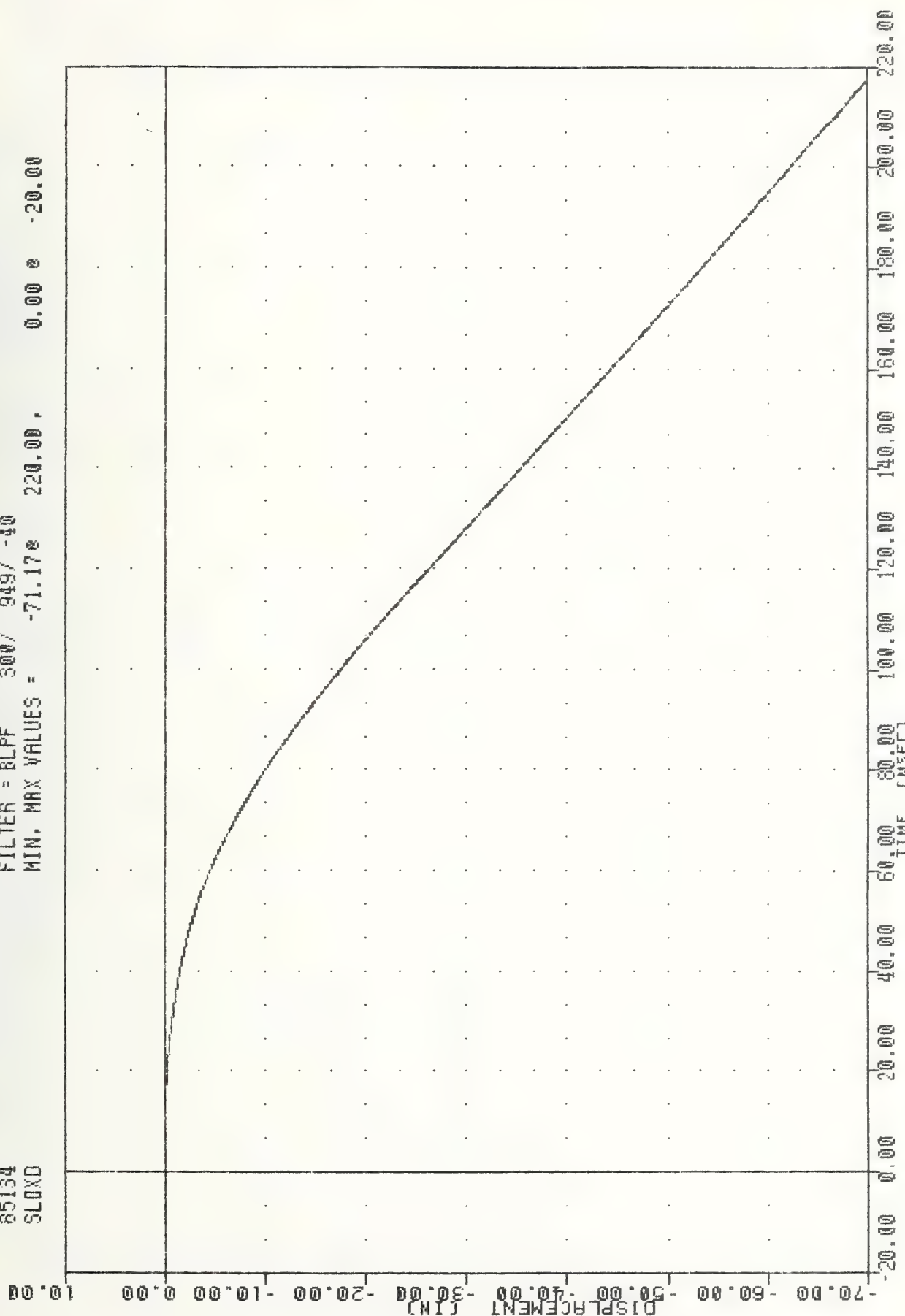


VRTC
BREED AIRBAG SLED PROGRAM
85134
SLOXD

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -71.17e 220.00, 0.00 e -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING SLOXVI

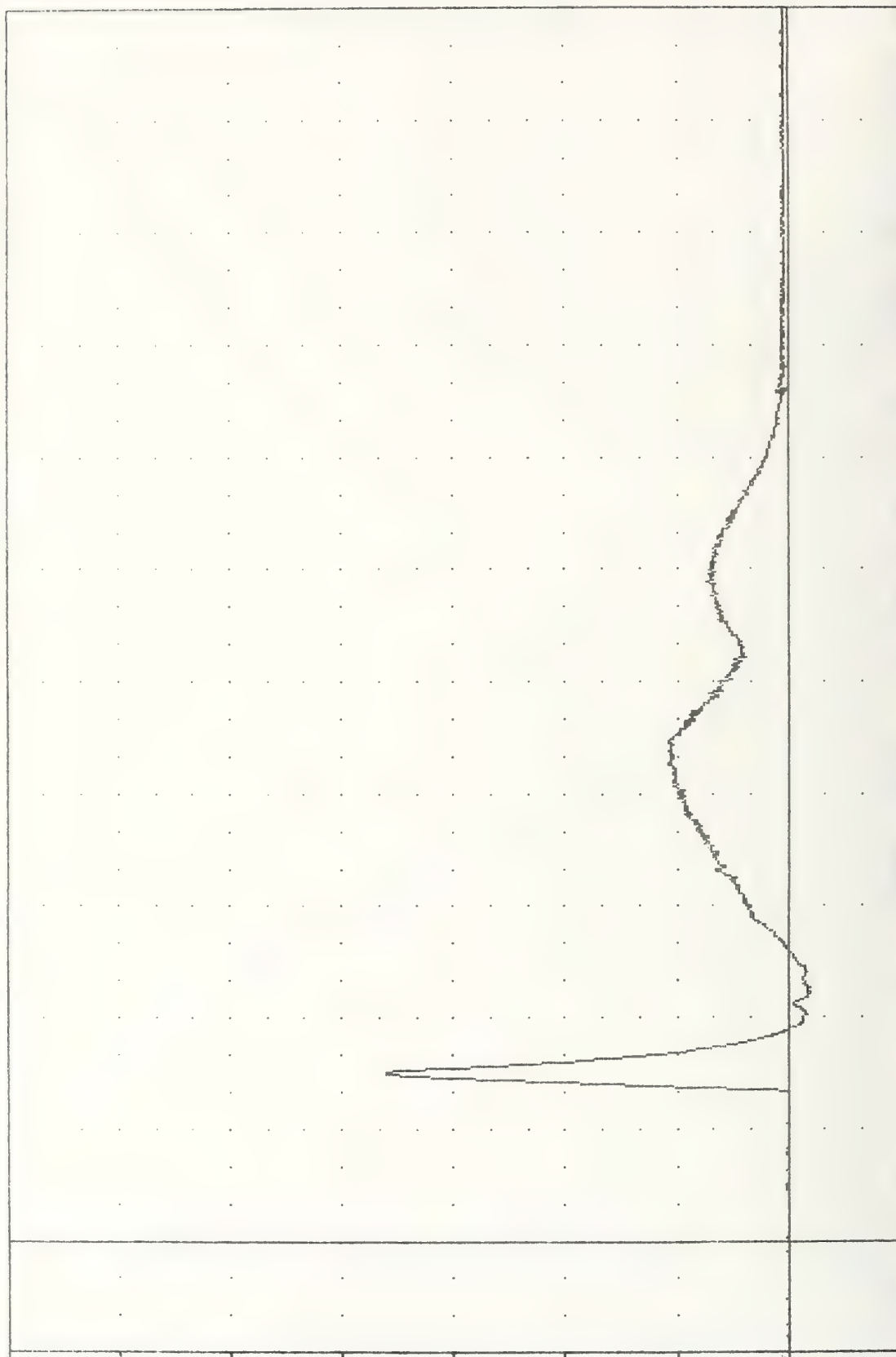
WATC 80384-4-31
BAEED AIRBAG SLED PROGRAM
05134
ABTP

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.06% 44.38, 35.39, 30.13

70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
-10.00
PRESSURE (PSIG)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (msec)

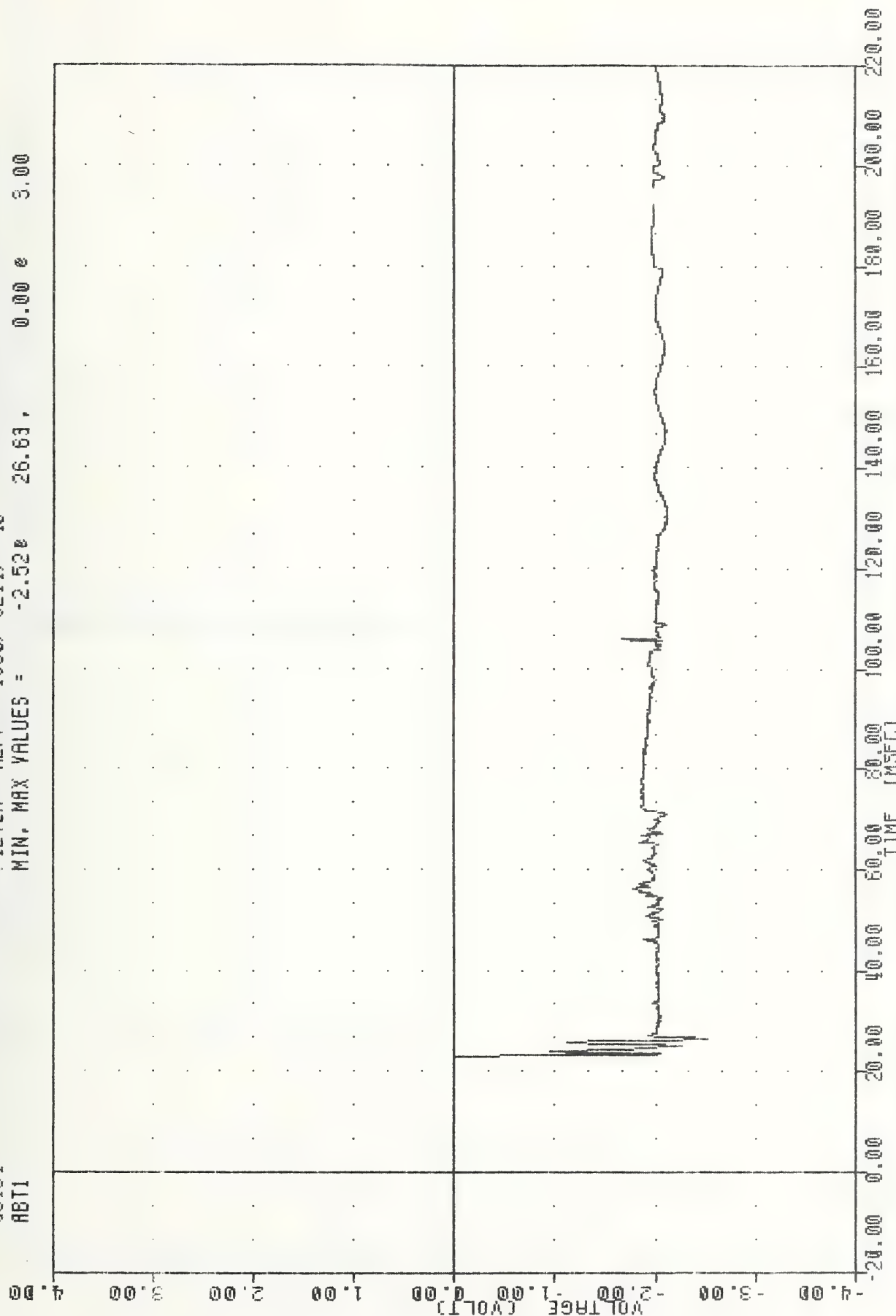
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
AIRBAG PRESSURE

WRTC
BREED AIRBAG SLED PROGRAM
85134
ABT1

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.52 26.63 0.00 3.00

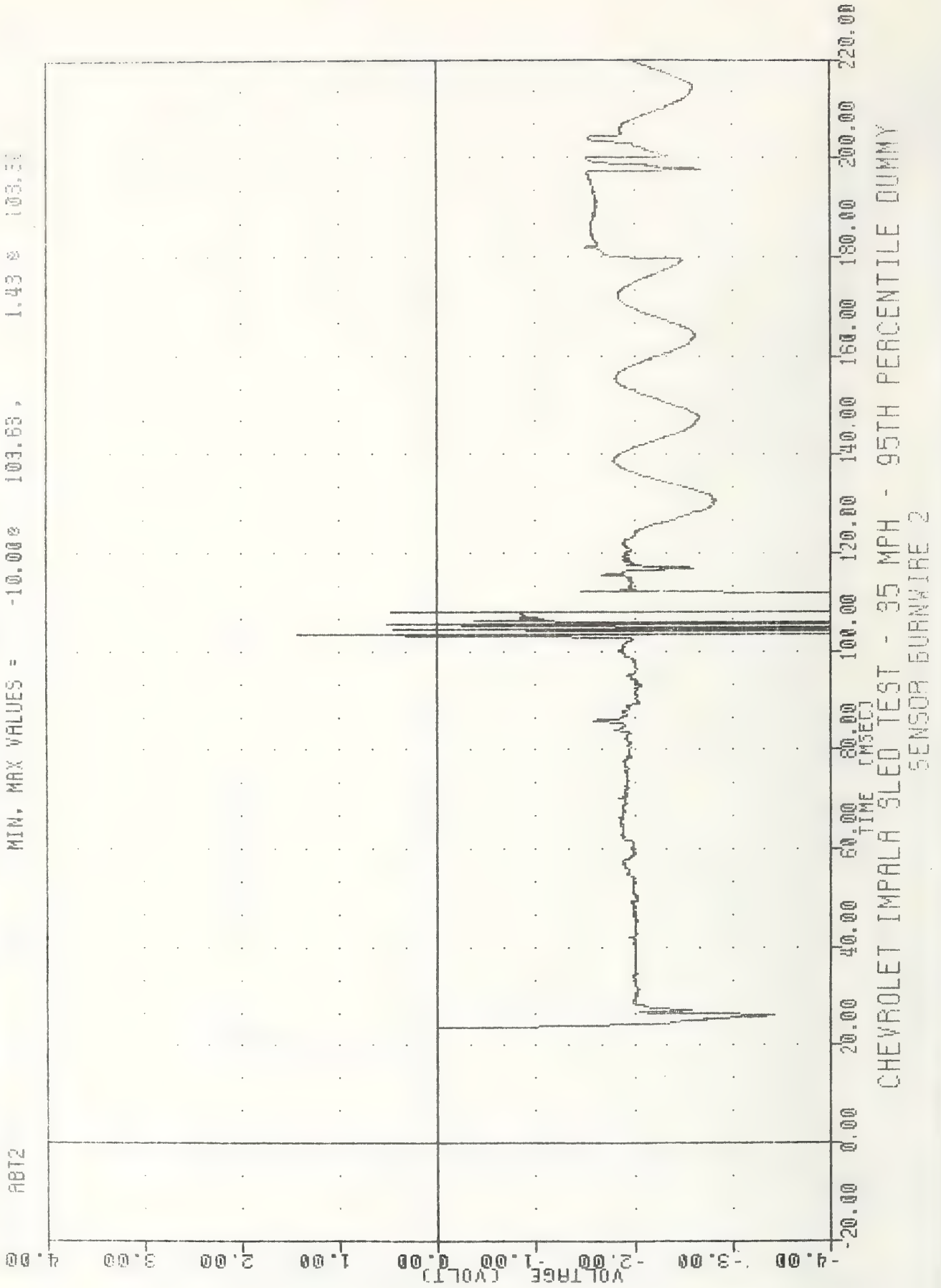


VR10 , R0344-4-31
BREED AIRBAG SLED PROGRAM
85134
ABT2

PLOT DATE 16 MAY 85 12:30:17

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -10.000 103.63, 1.43 103.31



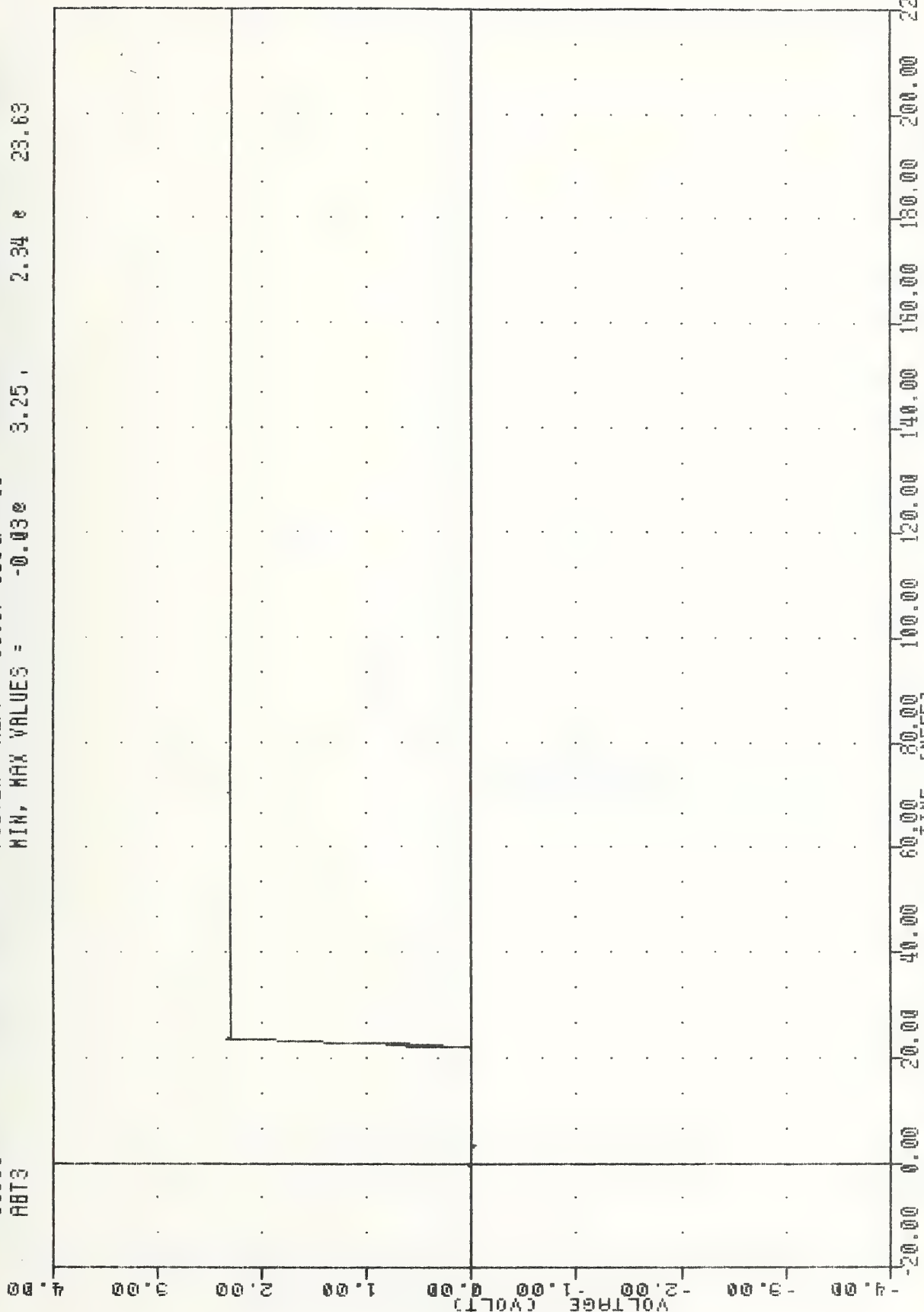
VRIC , RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
ABT3

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.03e

3.25 , 2.34 e 23.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

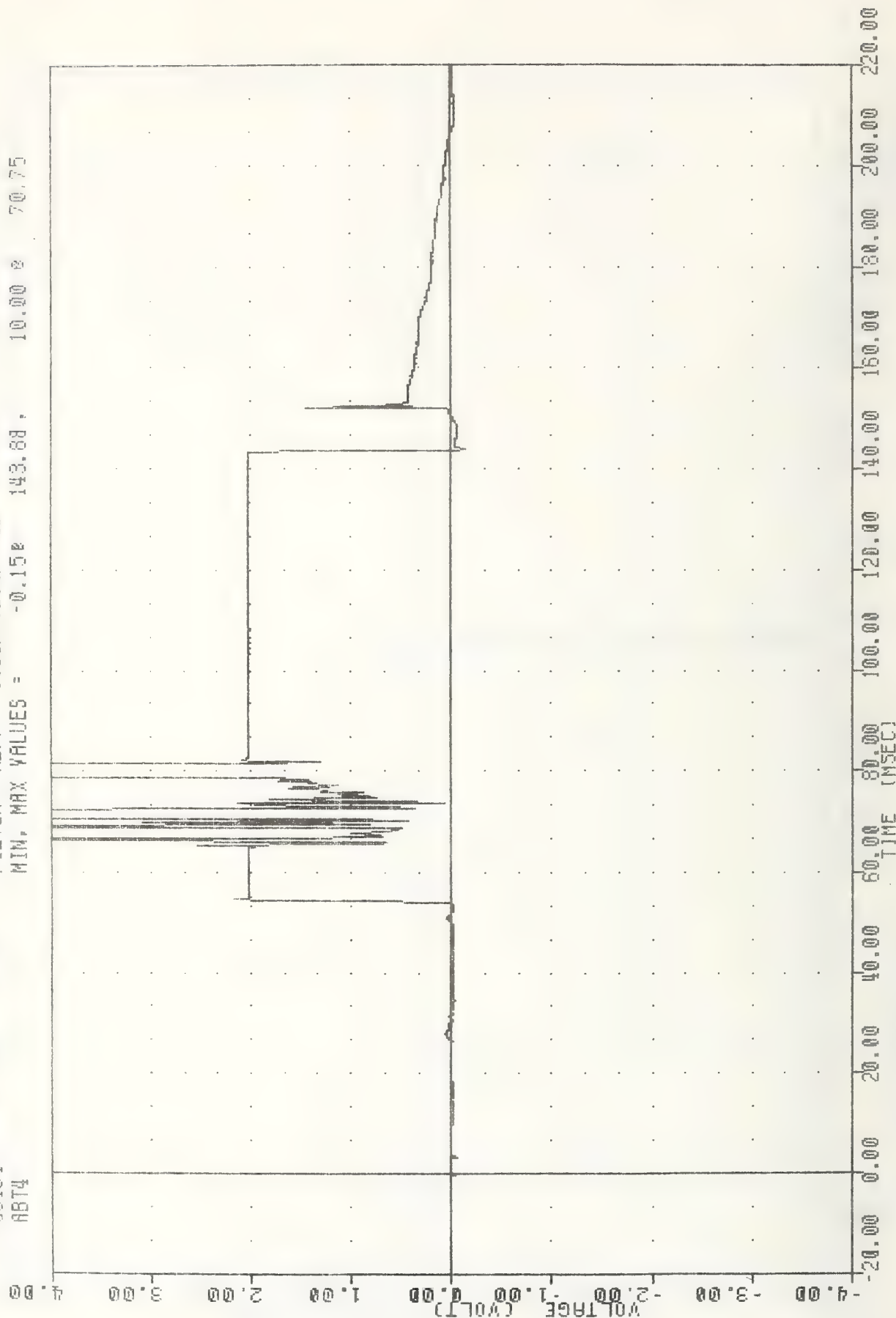
BREED B-PILLAR SENSOR

VRTC
BREED AIRBAG SLED PROGRAM
85134
ABT4

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.15e 143.88, 10.00 e 70.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
KNEE CONTACT

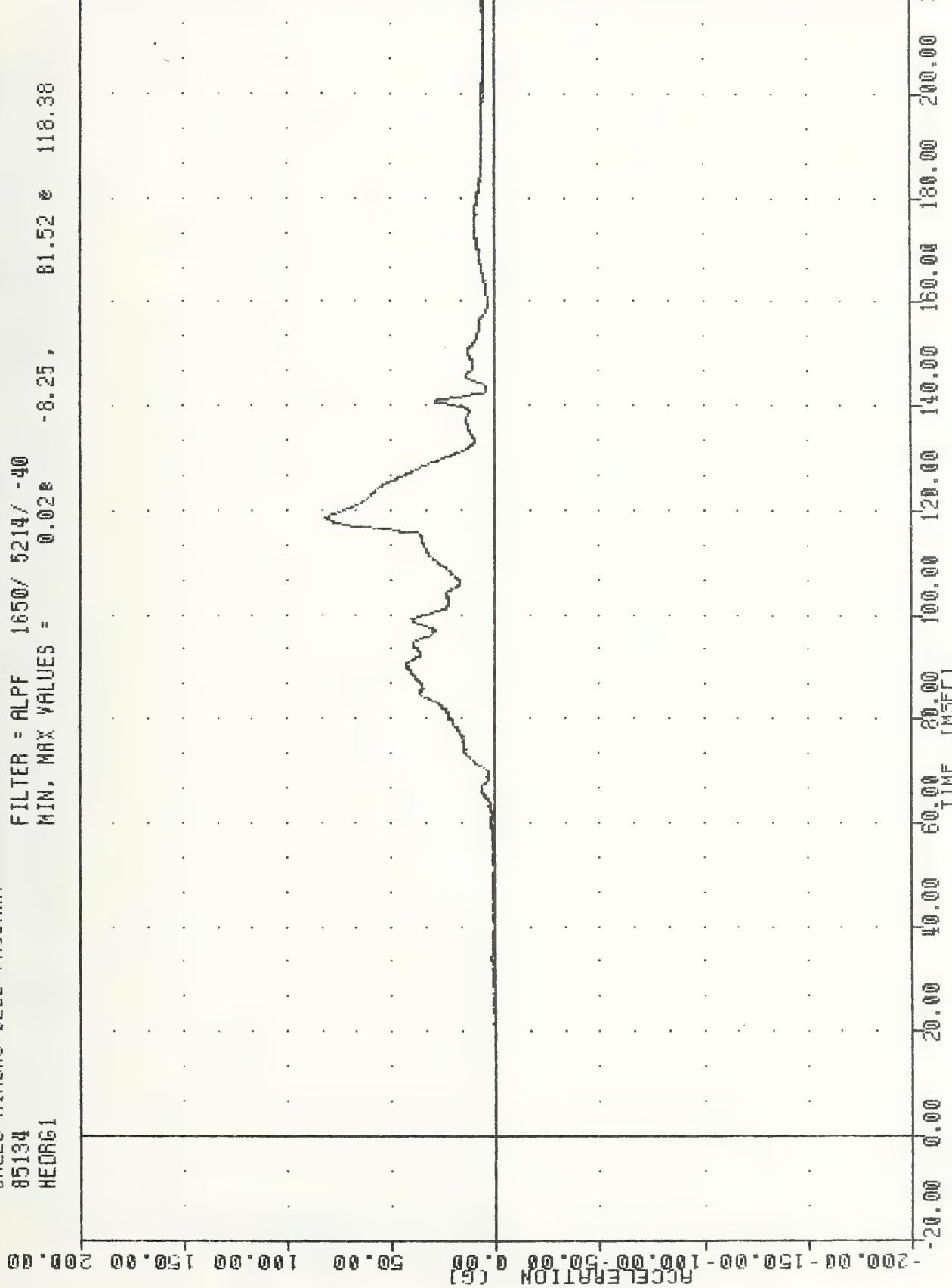
VRTC , RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
HEOR61

PLOT DATE 15-MAY-85 10:32:32

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.02g

-8.25, 81.52 g 118.38



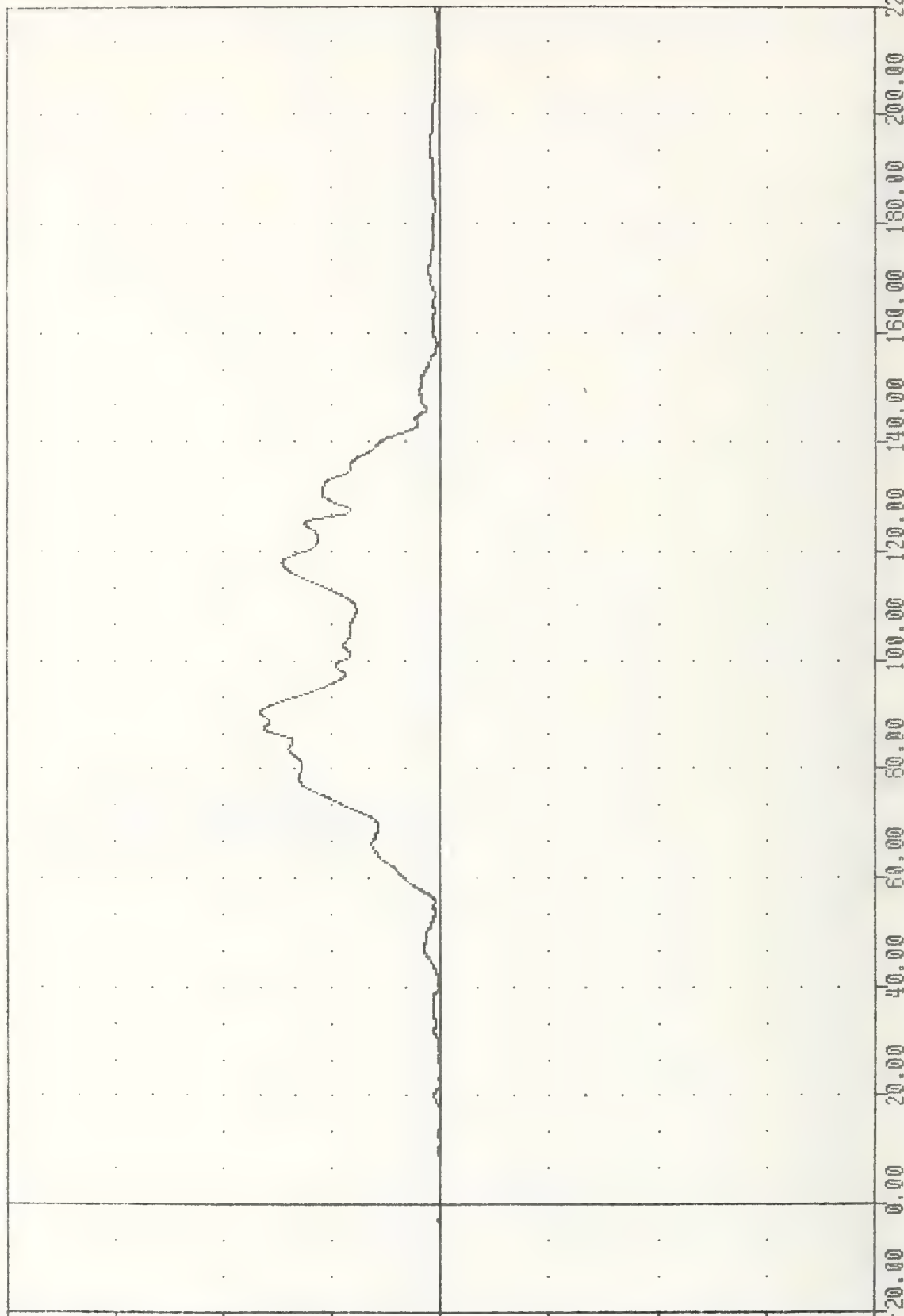
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRIC , R0384-4-01
BREED AIRBAG SLED PROGRAM
85134
CSTRG1

PLOT DATE 16 MAR 85 14:32:12

FILTER = BLPF 30W/ 949/ -40
MIN, MAX VALUES = 0.03e 7.38, 41.68 e 90.38

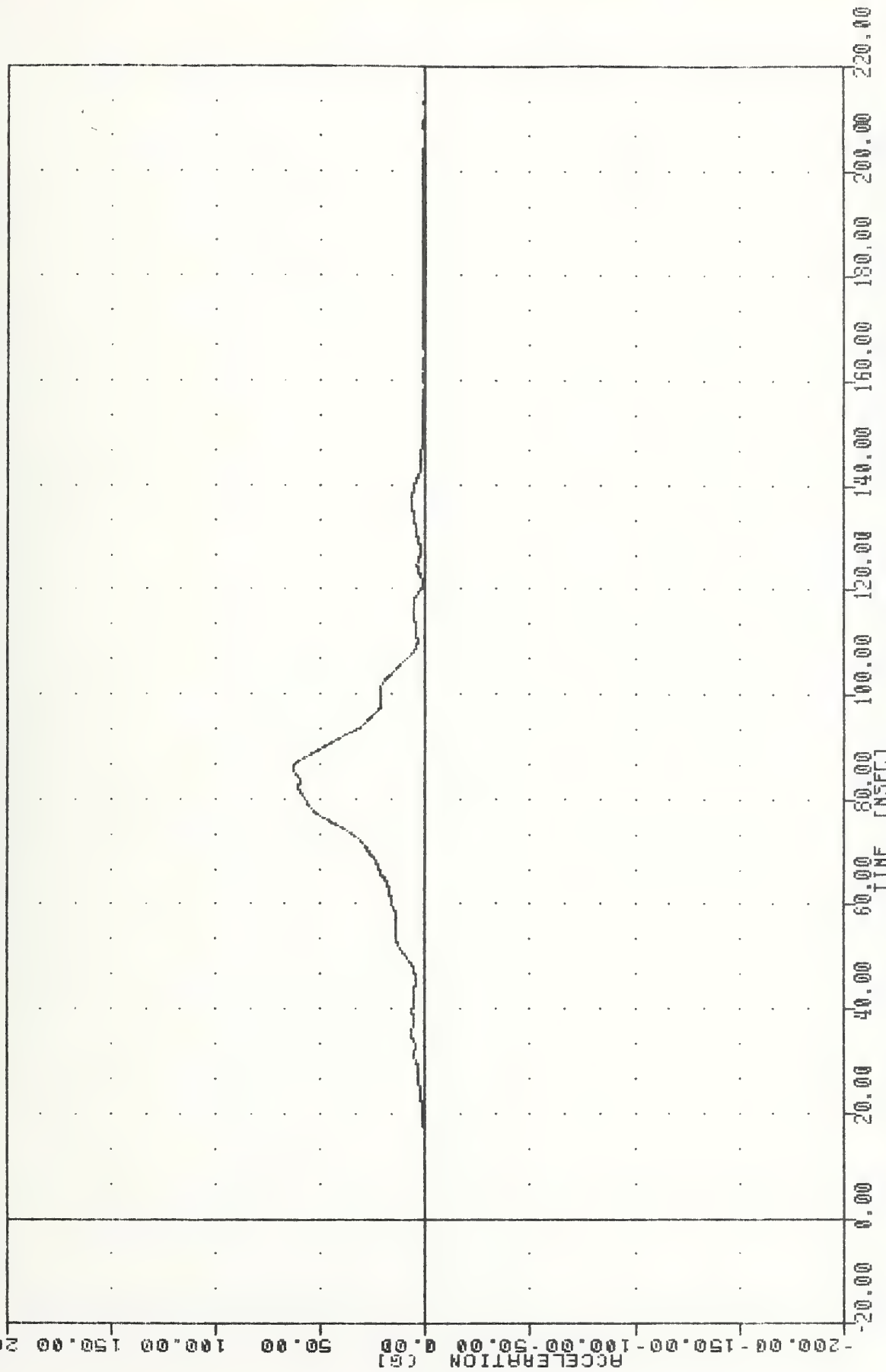
ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VRIC RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
PEVR61

PLOT DATE 15-MAY-85 10:32:32
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = 0.08e -11.88 , 63.26 e 86.00

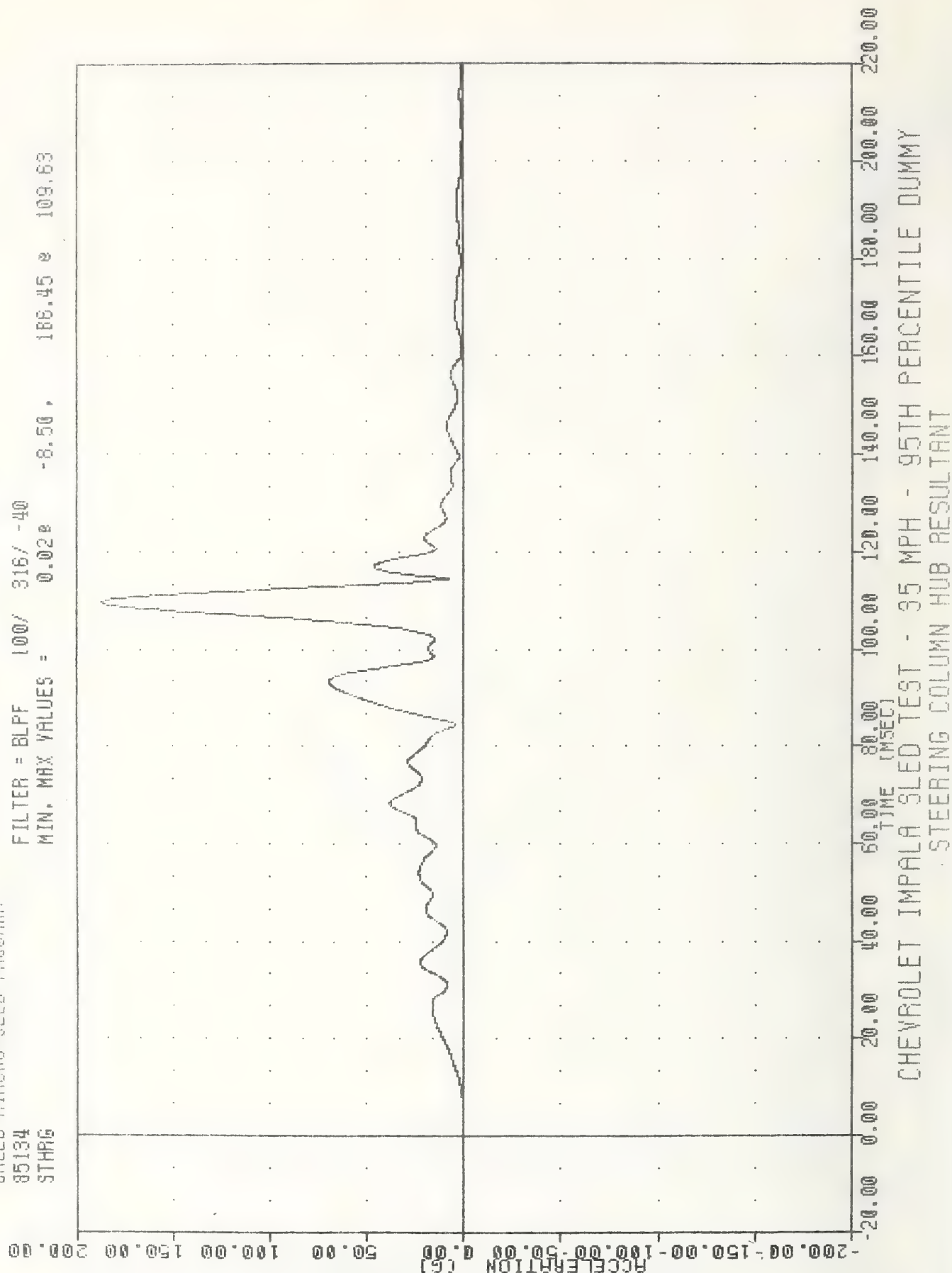


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

VRTC
 BREED AIRBAG SLED PROGRAM
 85134
 STHRG

PLOT DATE 15-MAY-85 10:52:52

FILTER = BLPF 100/ 316/ -40
 MIN. MAX VALUES = 0.02g -8.50g 188.45g 109.63

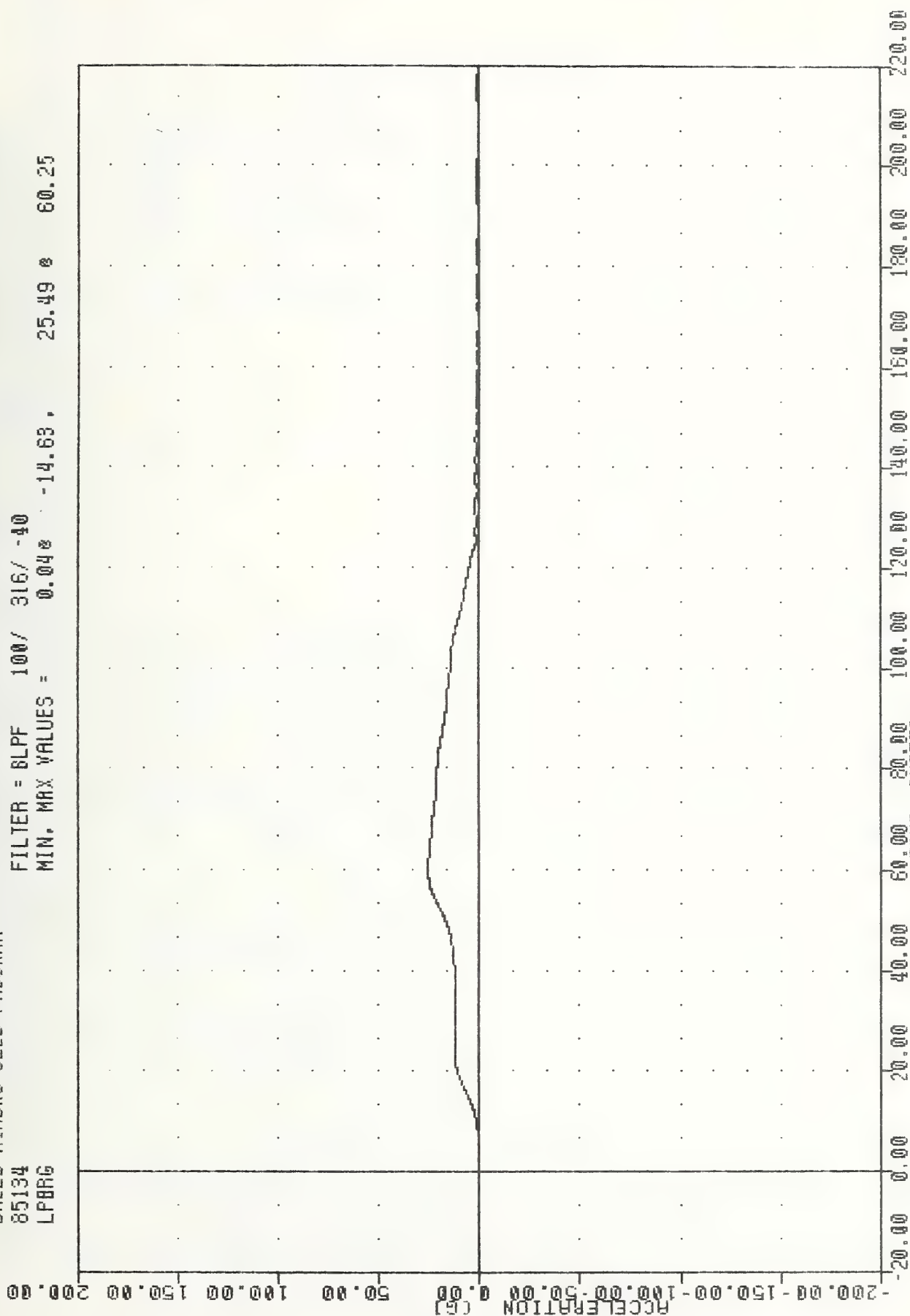


WRTC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 LPBAG

PLOT DATE 15-MAY-85 10:32:32

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = 0.048 -14.63, 25.49 8 60.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 PILLAR LEFT B RESULTANT

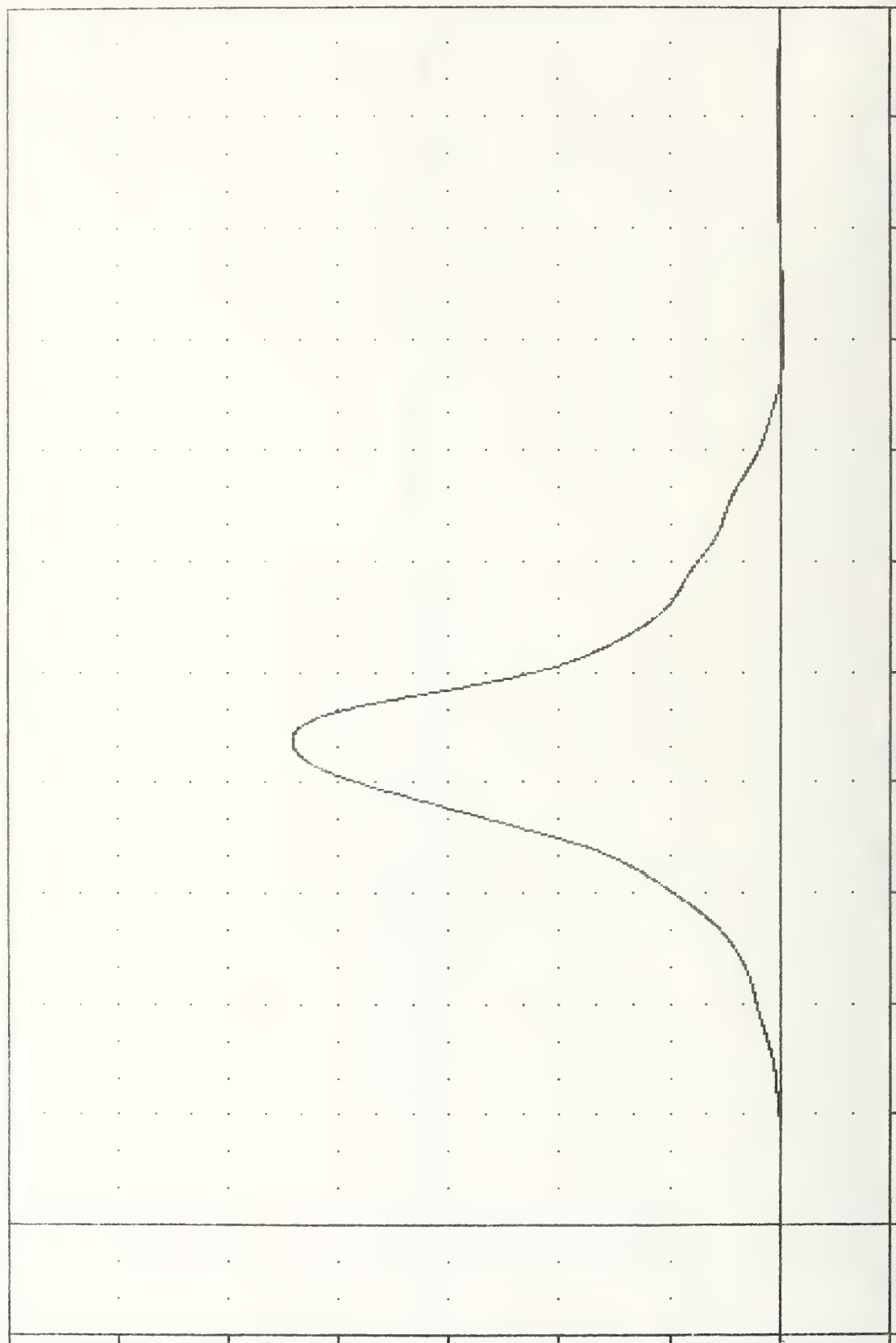
VRIC , RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
LB0F1

PLOT DATE 15-MAY-85 10:30:27

FILTER = 8LPP 100/ 316/ -40

MIN, MAX VALUES = -15.01e 161.00, 1764.84 e 87.63

FORCE (LB)
(X10³)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER LAP BELT FORCE LBS

		Min value	Max value	Data Units	Filter
1	EVENT	0.061 @ 43.250	1.609 @ -3.375 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-38.091 @ 133.000	0.137 @ -7.750 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.628 @ 57.250	0.929 @ 130.250 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-74.061 @ 92.625	11.537 @ 199.000 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-6.939 @ 94.875	2.448 @ 203.250 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-1.321 @ 35.625	32.613 @ 84.375 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-46.614 @ 83.500	3.972 @ 220.000 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-8.703 @ 94.375	1.225 @ 148.125 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-11.571 @ 81.125	6.047 @ 165.750 msec	g	BLPF 300/ 949/ -40
10	PEVXG1	-36.267 @ 86.750	1.239 @ 160.625 msec	g	BLPF 300/ 949/ -40
11	PEVYG1	-2.627 @ 52.000	9.914 @ 95.500 msec	g	BLPF 300/ 949/ -40
12	PEVZG1	-34.065 @ 89.000	2.363 @ 163.500 msec	g	BLPF 300/ 949/ -40
13	LFMF1	-506.155 @ 61.250	85.874 @ 190.750 msec	lb	BLPF 1000/ 3162/ -40
14	RFMF1	-452.430 @ 56.125	301.083 @ 74.750 msec	lb	BLPF 1000/ 3162/ -40
15	STHPG	-35.828 @ 119.250	13.610 @ 131.625 msec	g	BLPF 100/ 316/ -40
16	STHIG	-11.471 @ 150.875	14.871 @ 179.625 msec	g	BLPF 100/ 316/ -40
17	STHIG	-24.102 @ 61.250	36.611 @ 66.875 msec	g	BLPF 100/ 316/ -40
18	LPBXG	-25.241 @ 60.250	1.082 @ 150.875 msec	g	BLPF 100/ 316/ -40
19	LPBYG	-1.397 @ 88.125	1.970 @ 34.500 msec	g	BLPF 100/ 316/ -40
20	LPBZG	-0.721 @ 122.000	1.472 @ 76.625 msec	lb	BLPF 100/ 316/ -40
21	SHBF1	-0.445 @ -3.625	1829.806 @ 87.250 msec	lb	BLPF 100/ 316/ -40
22	LBDF1	-0.247 @ -15.000	1497.071 @ 85.375 msec	lb	BLPF 100/ 316/ -40
23	ABTP	-3.225 @ 42.125	41.405 @ 31.625 msec	psig	ALPF 1650/ 5214/ -40
24	ABT1	-3.750 @ 27.625	0.004 @ -12.125 msec	volt	ALPF 1650/ 5214/ -40
25	ABT2	-3.487 @ 26.375	1.056 @ 156.625 msec	volt	ALPF 1650/ 5214/ -40
26	ABT3	-0.016 @ 6.250	2.318 @ 23.875 msec	volt	ALPF 1650/ 5214/ -40
27	ABT4	-0.109 @ 166.250	2.163 @ 56.750 msec	volt	ALPF 1650/ 5214/ -40

		Min value	Max value	Data Units	Filter
1	HEDXV1	-50.028 @ 153.625	0.154 @ 44.500 msec	mph	BLPF - 300/ 949/ -40
2	HEDXD1	-72.876 @ 220.000	0.028 @ 57.250 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-43.689 @ 145.500	0.391 @ -8.875 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-69.403 @ 220.000	0.464 @ 44.375 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-31.452 @ 135.625	-0.133 @ -0.500 msec	mph	BLPF 300/ 949/ -40
6	PEVD1	-54.748 @ 220.000	-0.084 @ -20.000 msec	in	BLPF 300/ 949/ -40
7	SLDXV1	-37.858 @ 124.000	0.000 @ -17.125 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-70.894 @ 220.000	0.000 @ -15.250 msec	in	BLPF 300/ 949/ -40
9	STHPV	-36.355 @ 124.125	-0.023 @ -20.000 msec	mph	BLPF 300/ 949/ -40
10	STHPD	-63.819 @ 220.000	-0.010 @ -20.000 msec	in	BLPF 300/ 949/ -40
11	LPBXV	-37.087 @ 125.750	-0.070 @ -15.375 msec	mph	BLPF 300/ 949/ -40
12	LPBXD	-68.459 @ 220.000	-0.047 @ -20.000 msec	in	BLPF 300/ 949/ -40

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.065 @ 1.250	76.819 @ 93.250 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.028 @ -9.000	47.831 @ 83.375 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.052 @ 14.125	49.418 @ 88.000 msec	g	BLPF 300/ 949/ -40
4	STHRG	0.125 @ -16.125	39.852 @ 66.750 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.062 @ 128.750	25.256 @ 60.125 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC439RP. RAD; 1
VRTC RD384-4-32 BREED AIRBAG SLED PROGRAM
85135 35.00 mph

* * * HIC computation for HEDRG1

Using time range = 0.000 to 131.375 msec Peak accel = 76.82 @ 93.250

HIC = 817.39 Interval from 74.250 [755] to 107.750 [1023]

HIC = 624.33 Interval from 84.750 [839] to 99.750 [959]

15-MAY-85 14:40

R SYSP:THREMS

*** Three ms clip program for chest resultant channel ***

THREMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC439RP

File TRC439RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, DeltaX = 0.125000
VRTC RD384-4-32 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC439RP.RAD;1 VRTC RD384-4-32
BREED AIRBAG SLED PROGRAM 35.0 mph 85135 15-MAY-85 14:44:43
DeltaX: 0.125

3 MS CLIP PEAK: 46.71789

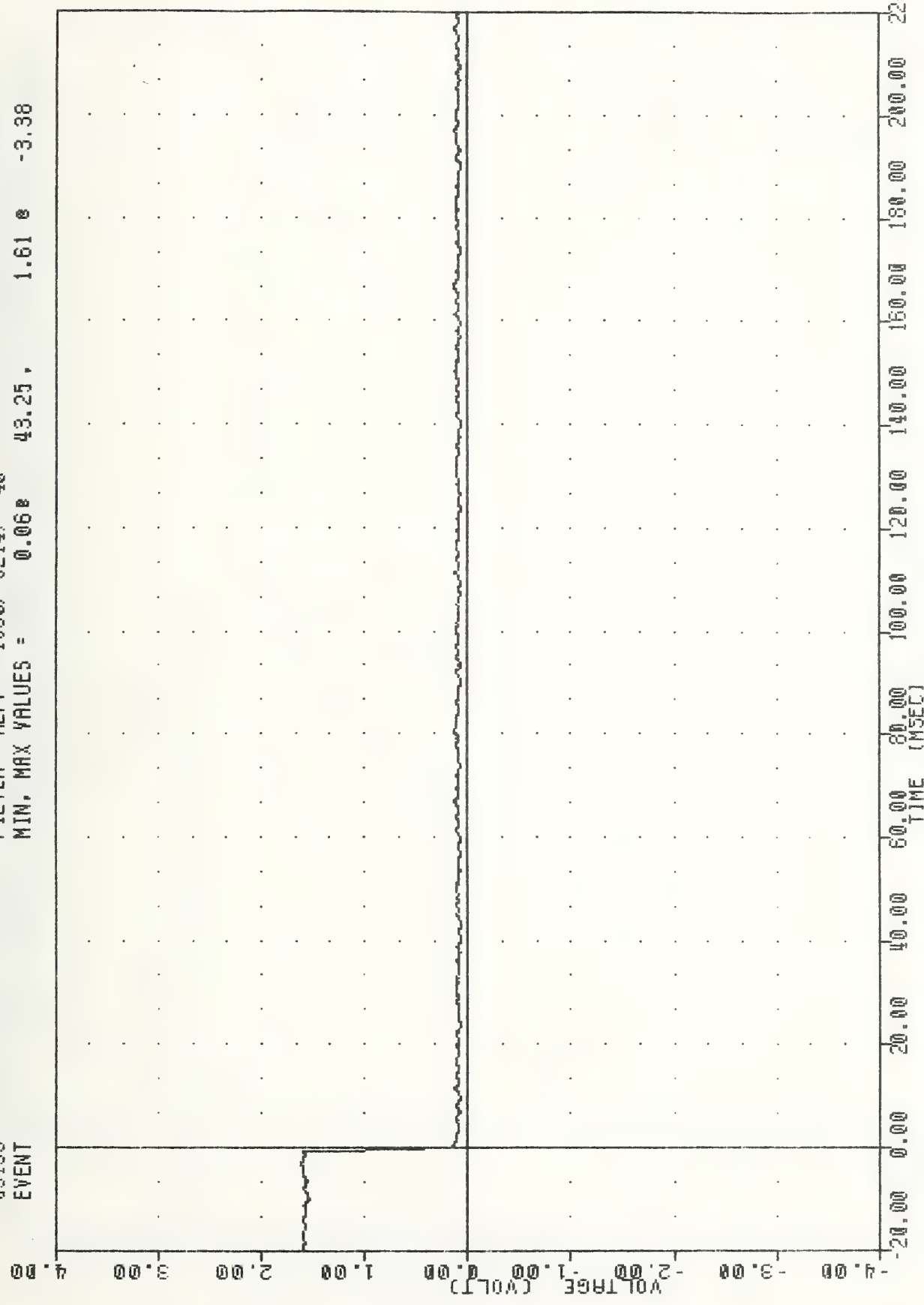
Please run LSTRAD on this channel for the full time
and give it to the Project Manager to double-check peak

Enter channel name -> ^Z

Enter input filespec -> ^Z

VRTC , R0384-4-32 PLOT DATE 15-MAY-85 15:47:16
 BREED AIRBAG SLED PROGRAM
 85135
 EVENT

FILTER = ALPF 1650/ 5214/ -40
 MIN. MAX VALUES = 0.06e 43.25, 1.61 e -3.38



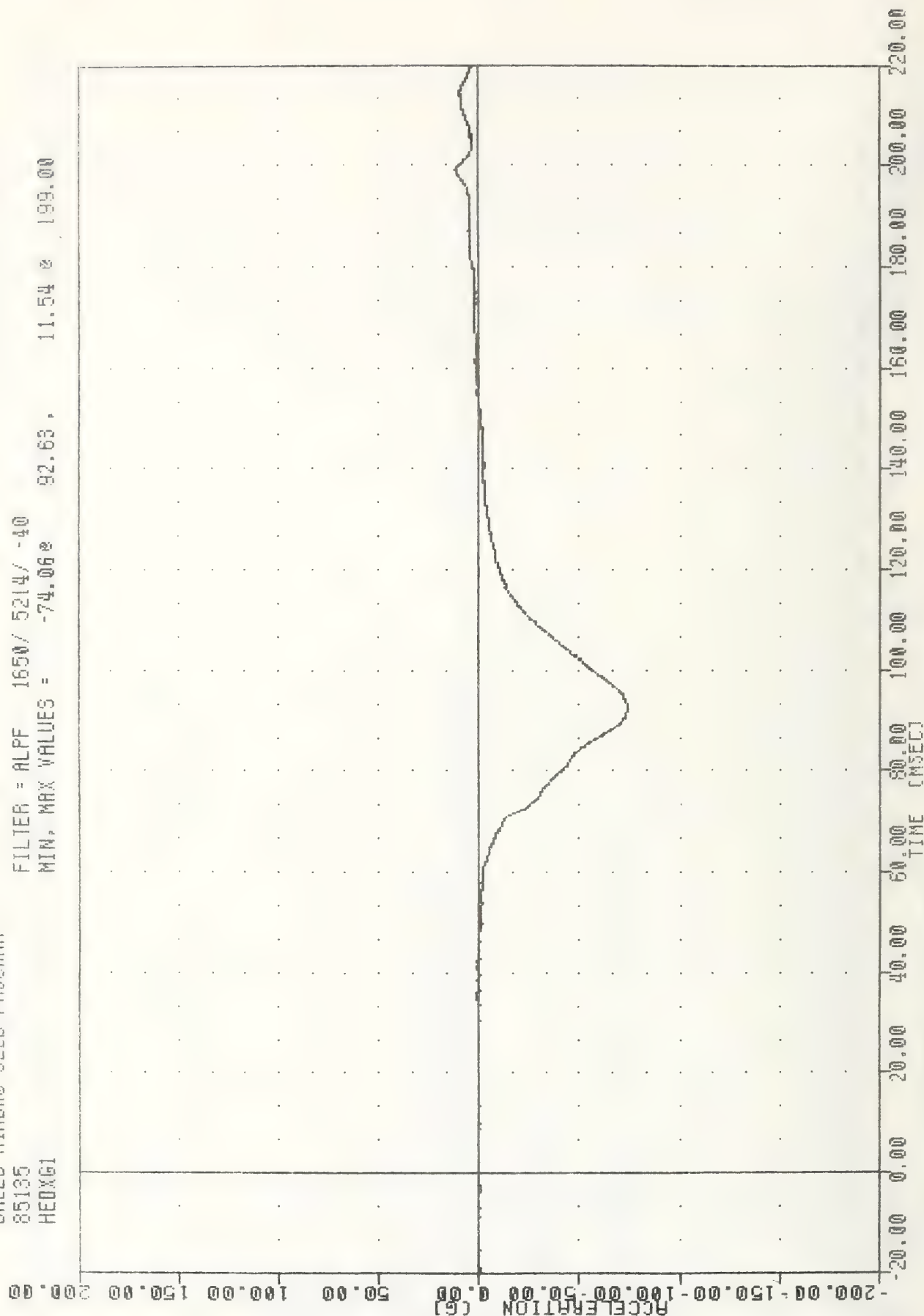
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 EVENT

VRTC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 HEDXG1

PLOT DATE 15-MAY-85 15:47:16

FILTER = ALPF 165N/ 5214/ -40

MIN, MAX VALUES = -74.06g 92.63, 11.54g 199.00



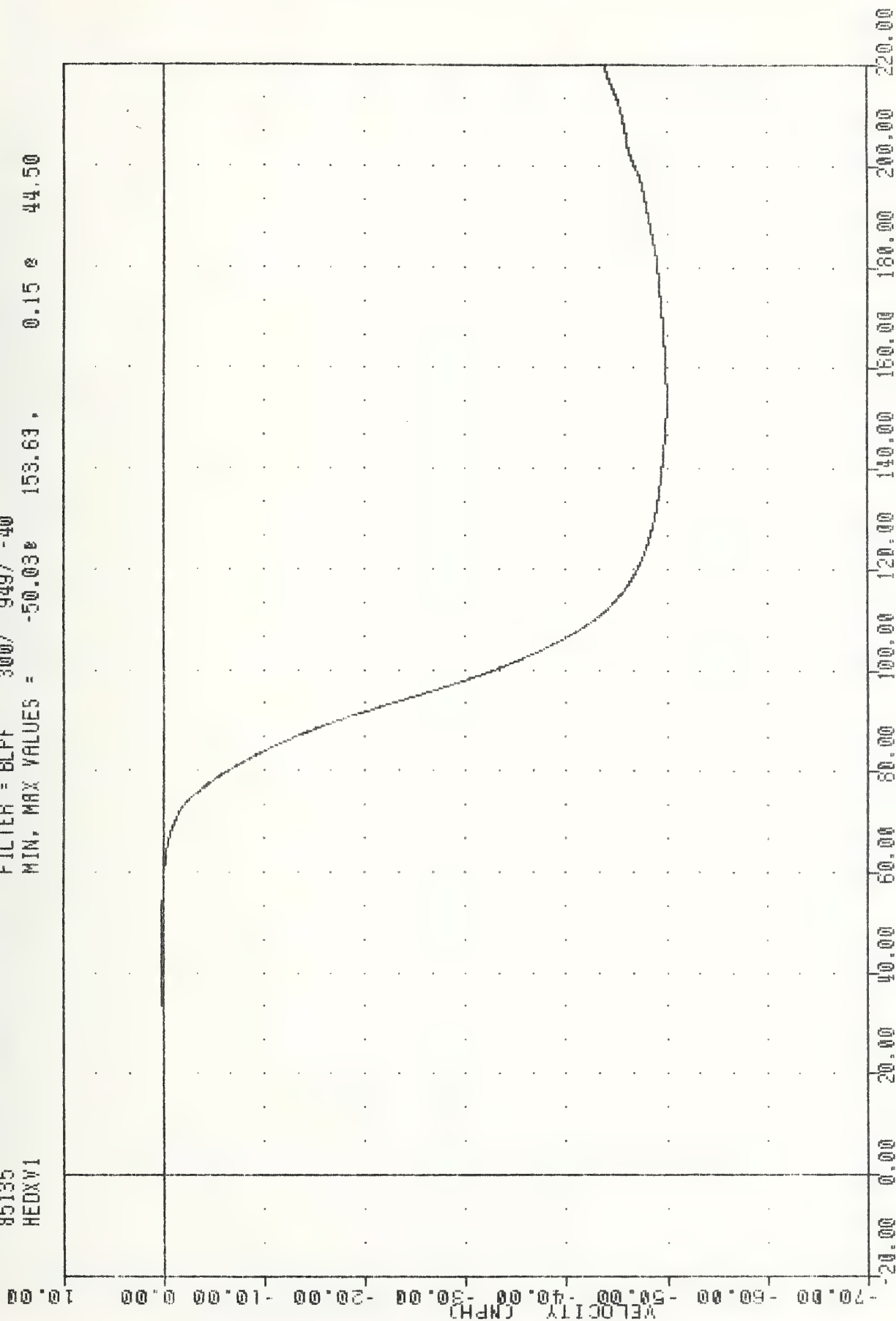
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION X AXIS

VRTC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 HEDXV1

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -50.03 153.63 0.15 44.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

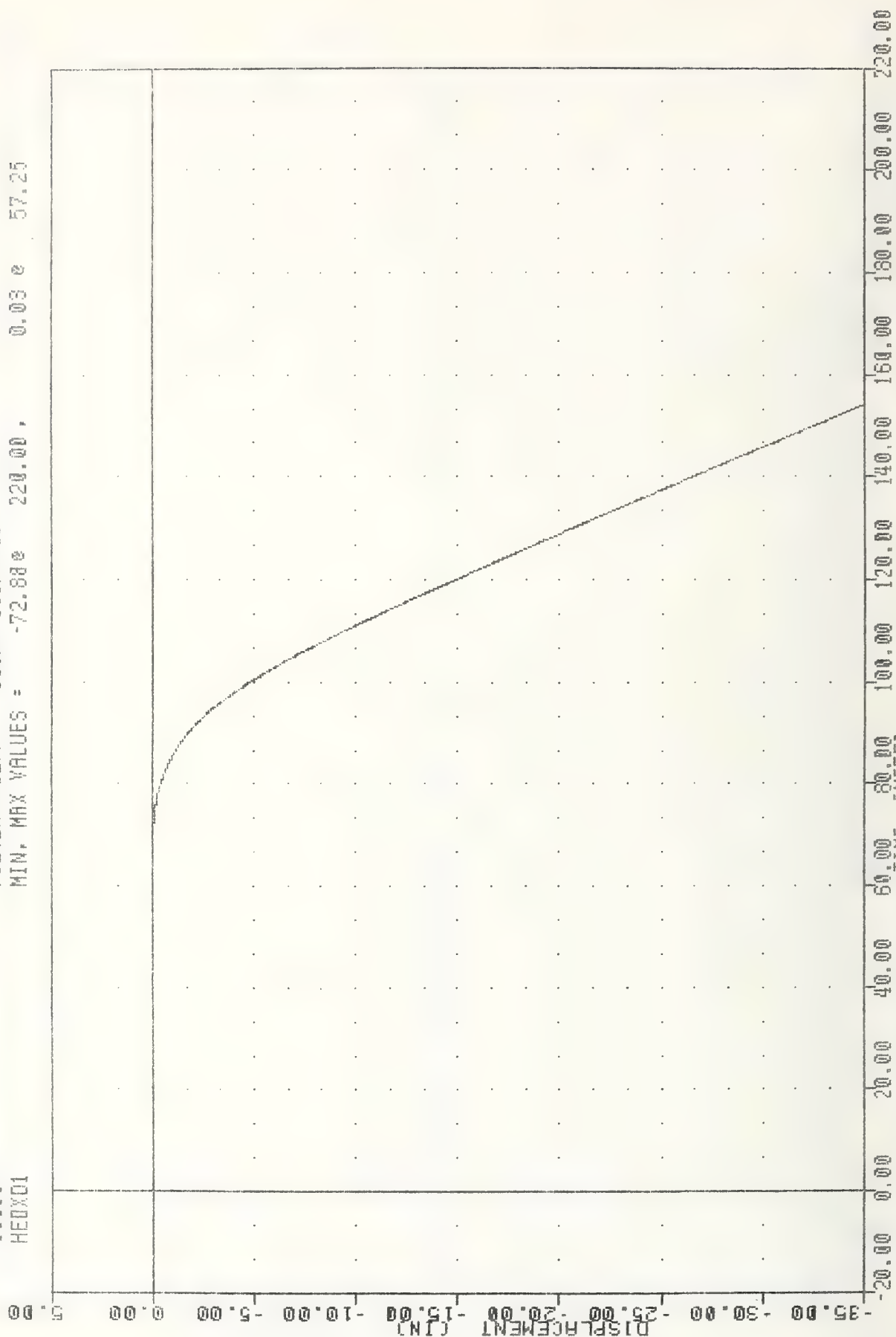
DELTA V USING HEDXG1

VRTC , RD384-4-32
 BREED H1A98S SLED PROGRAM
 85135
 HEDX01

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -72.88e 220.00, 0.03 e 57.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA / USING HEDX01

VRIC , RD384-4-92 PLOT DATE 15-MAY-85 15:47:16

BREED AIRBAG SLED PROGRAM

85135 FILTER = ALPF 1650/ 5214/ -40

HEDY61

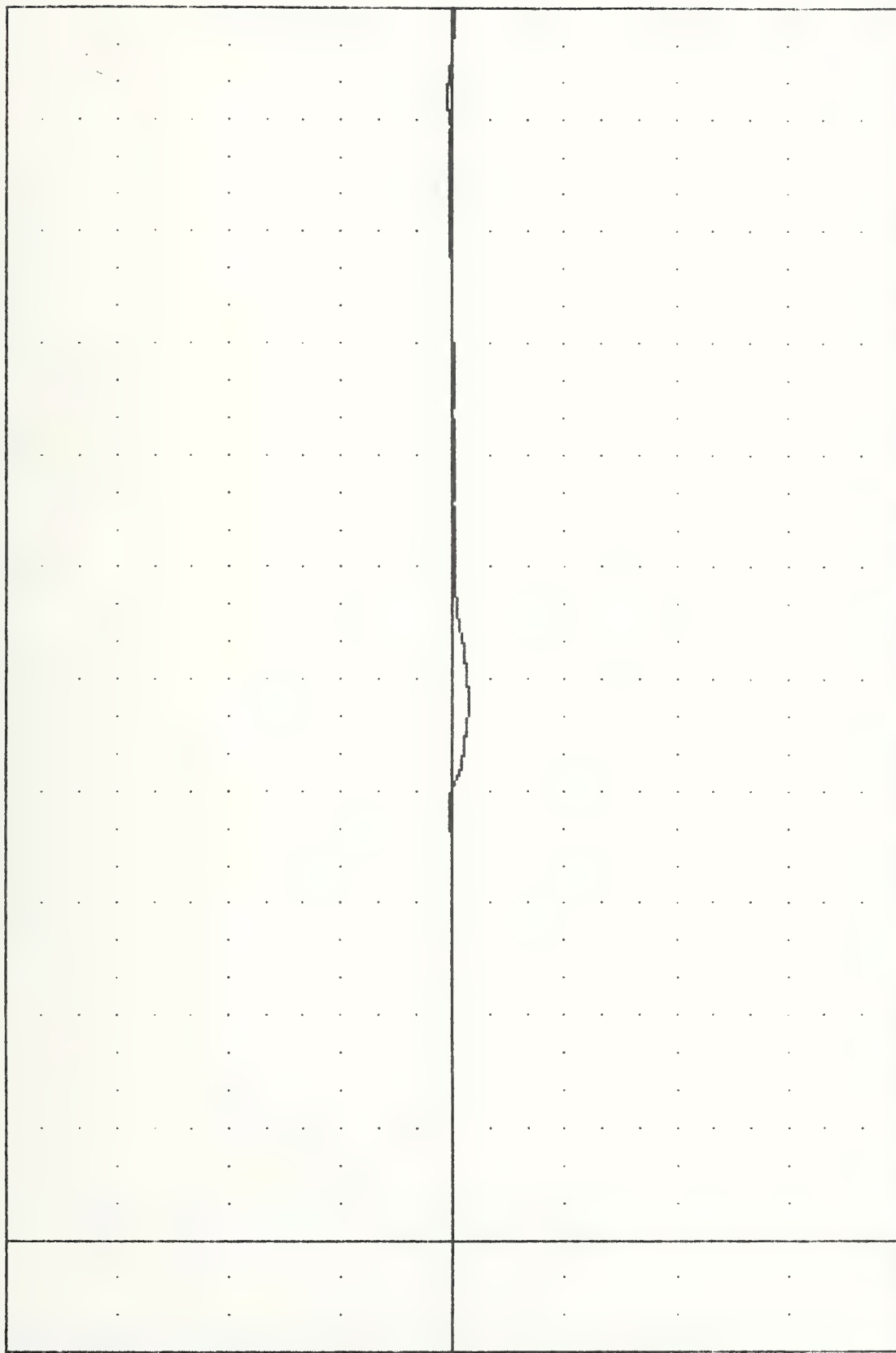
MIN, MAX VALUES =

-6.94e

94.68 ,

2.45 e 203.25

ACCELERATION (G)



-200.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (MSEC)

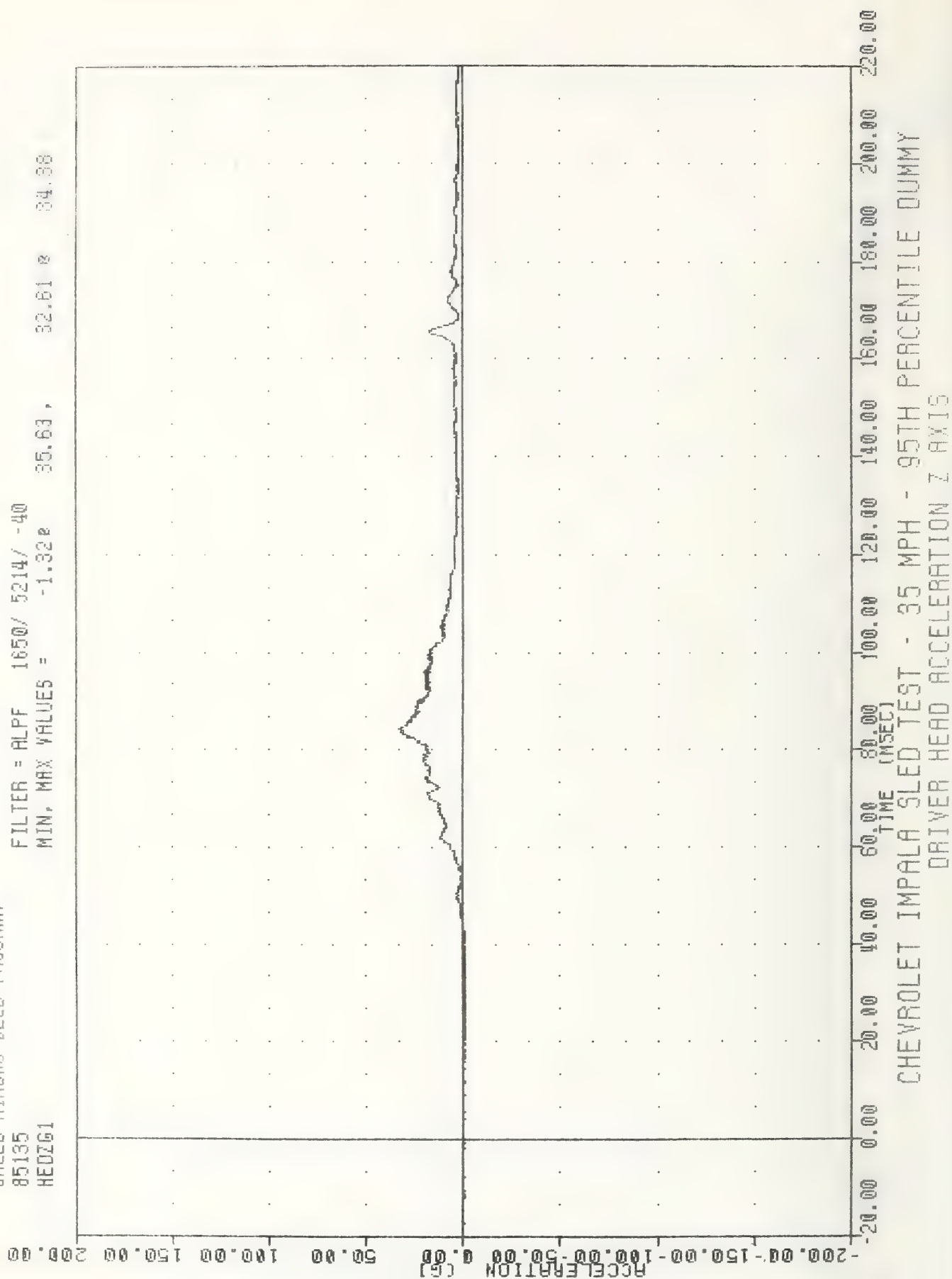
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

DRIVER HEAD ACCELERATION Y AXIS

VRTC : R0584-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 HEDZG1

PLOT DATE 15-MAY-85 15:47:15

FILTER = ALPF 1650/ 5214/ -40
 MIN. MAX VALUES = -1.32e 35.63, 32.61 & 34.98

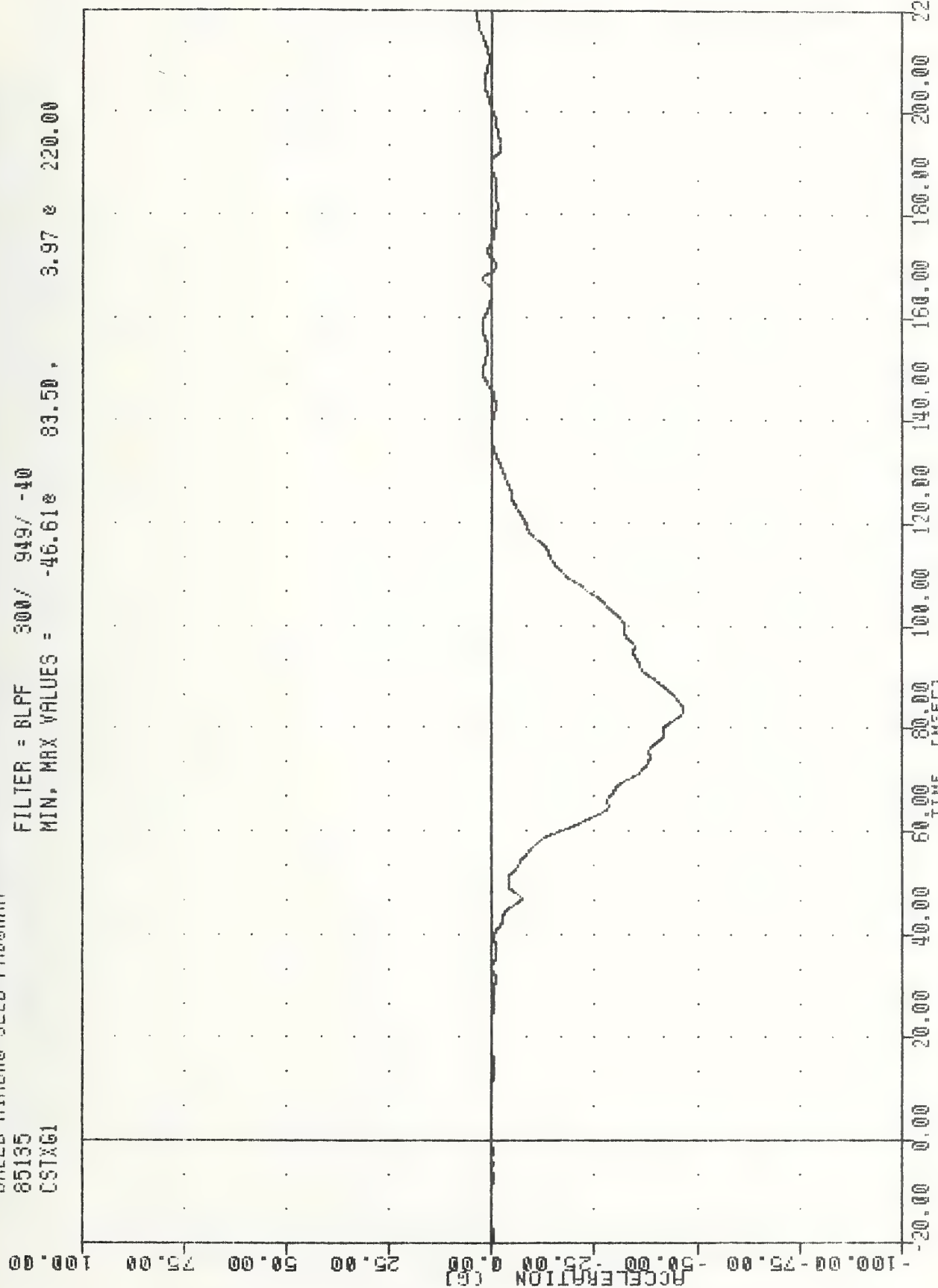


VRIC , R0384-4-32
BREED AIRBAG SLED PROGRAM
85135
CSIXG1

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -46.61e 83.50, 3.97 e 220.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

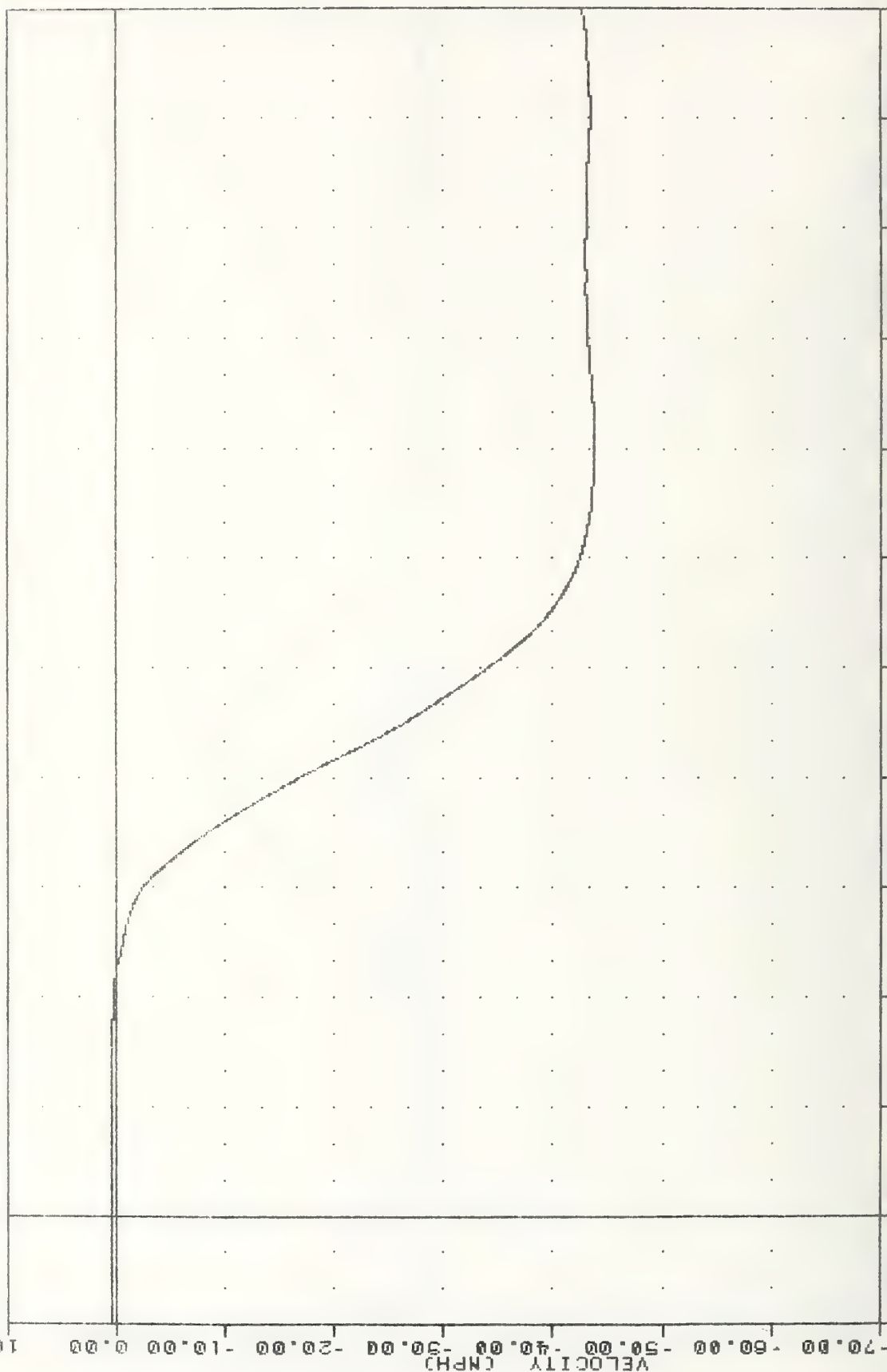
VRTC
 BREED AIRBAG SLED PROGRAM
 85135
 CSTXW1

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -43.69 145.50 0.39 0 -8.88

10.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

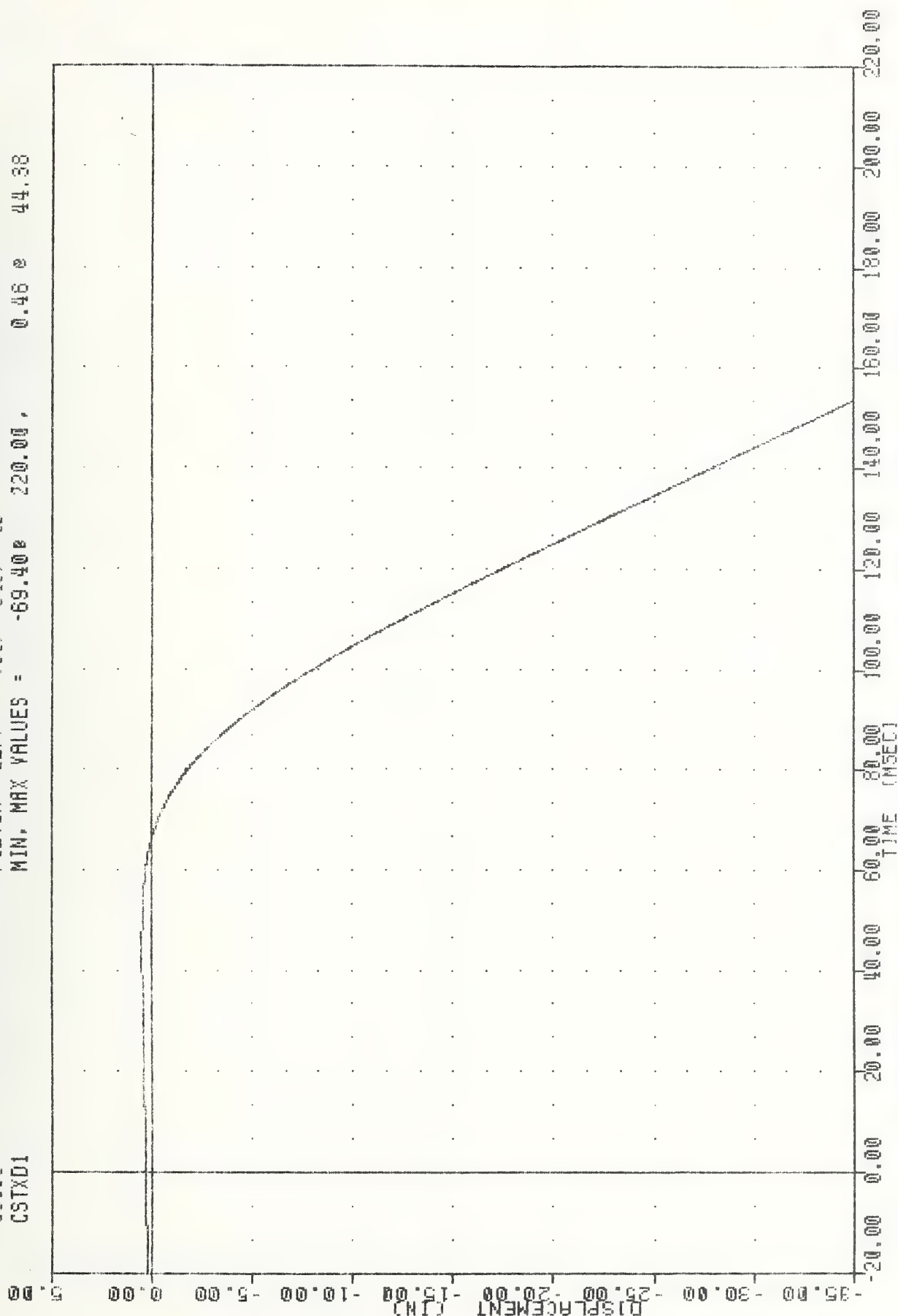
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

DELTA V USING CSTXG1

VRTC
BREED AIRBAG SLED PROGRAM
85135
CSTXD1

FLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -69.40e 220.00, 0.46 e 44.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING CSTXV1

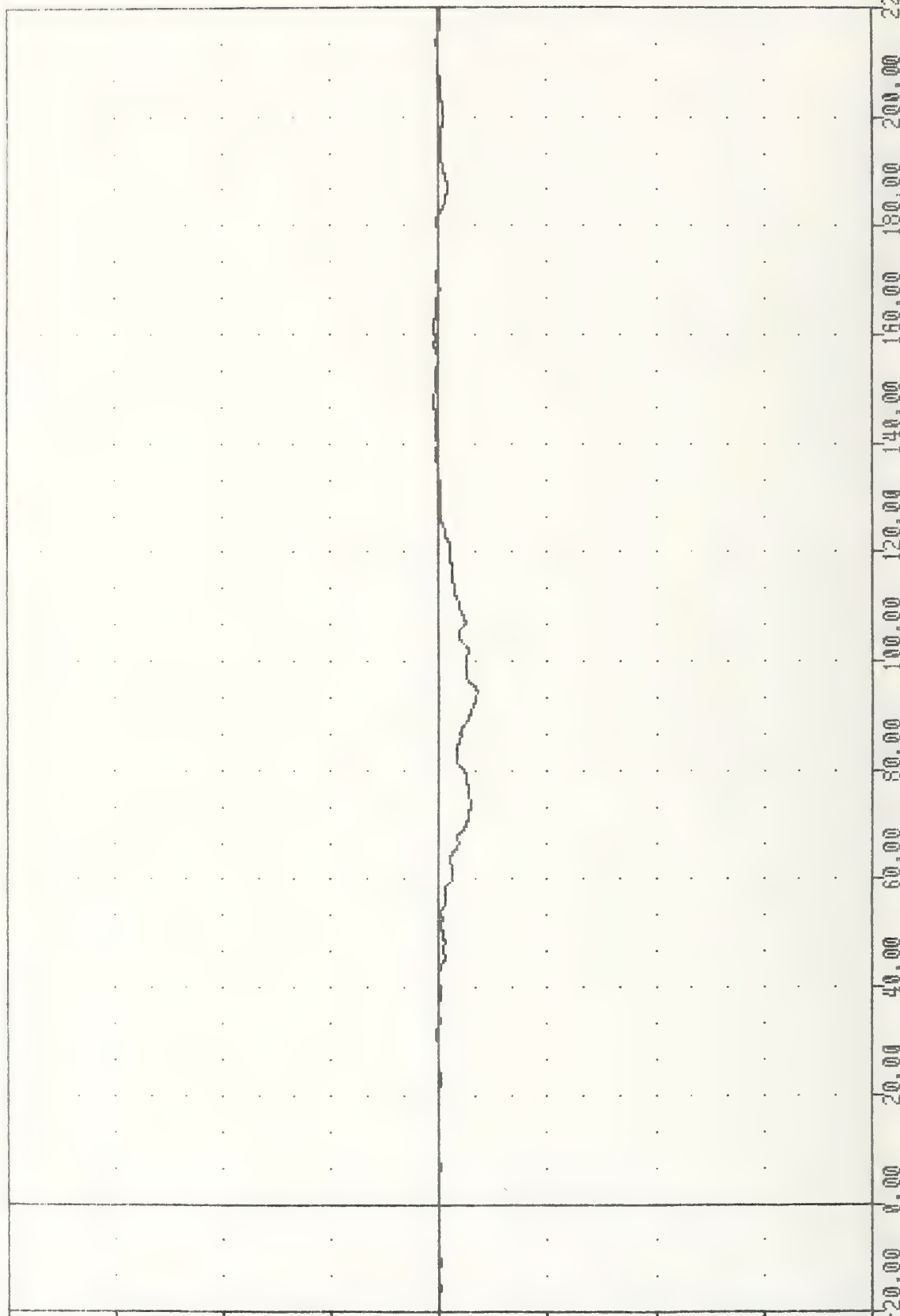
VATC : 80884-4-32
BASED AIRBAG SLED PROGRAM
85135
CSTY61

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -8.700 94.88 1.22 148.13

ACCELERATION (G)

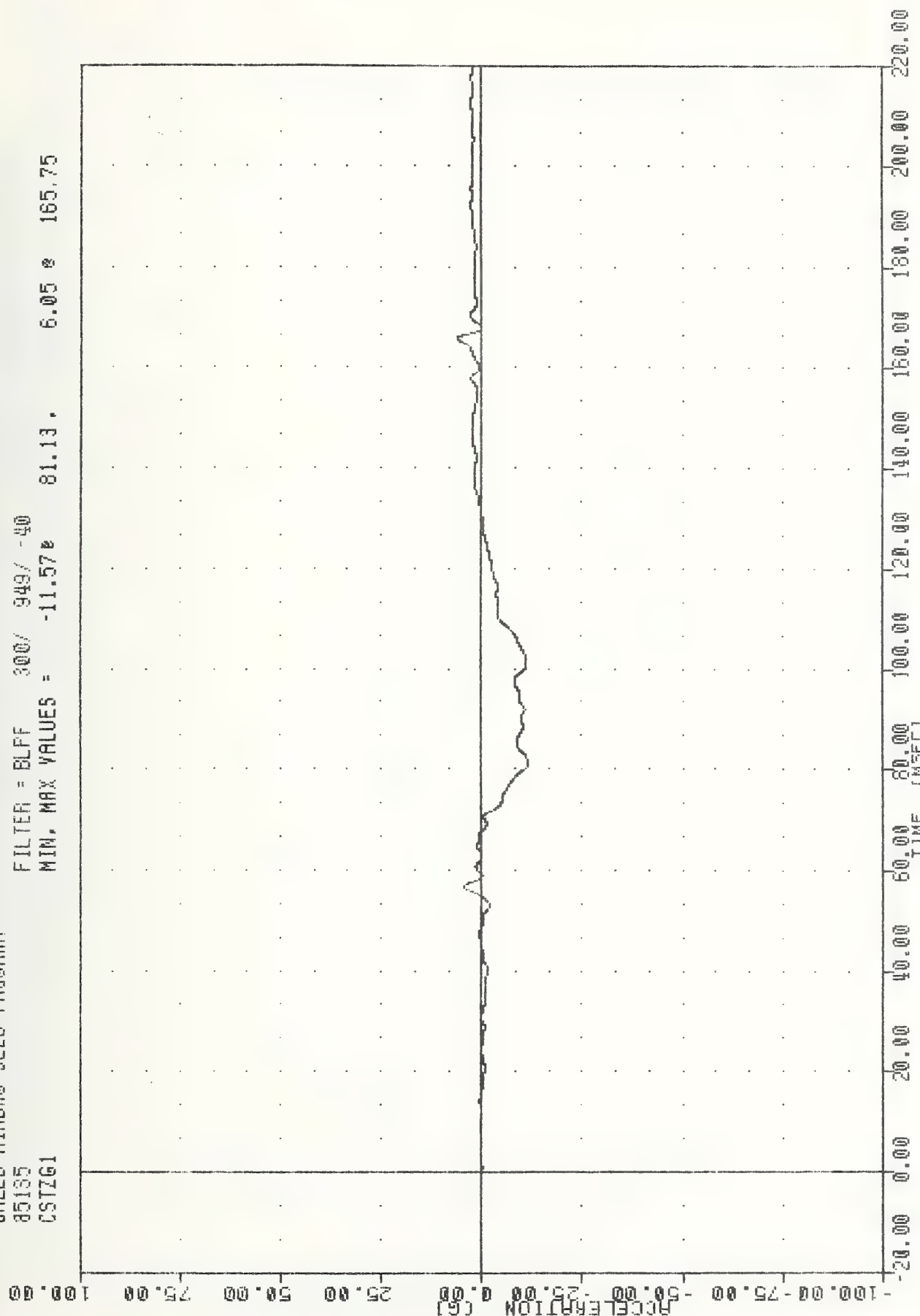


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTG
 BREED AIRBAG SLED PROGRAM
 85135
 CSTZG1

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -11.57 81.13 6.05 165.75



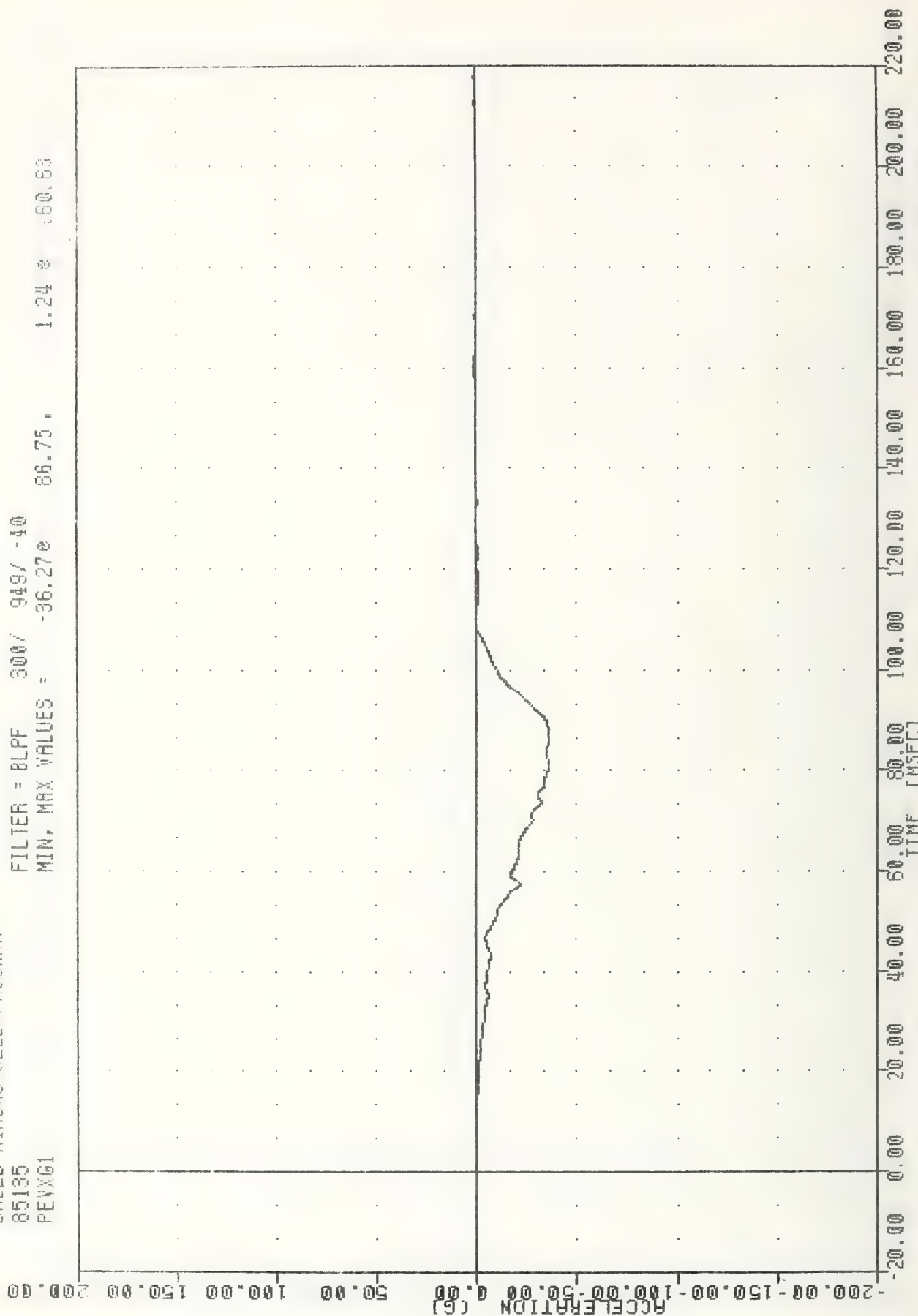
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

VRTC , RD384-4-32
BREED AIRBAG SLED PROGRAM
85125
PEVX61

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -36.27e 86.75, 1.24 e 160.63



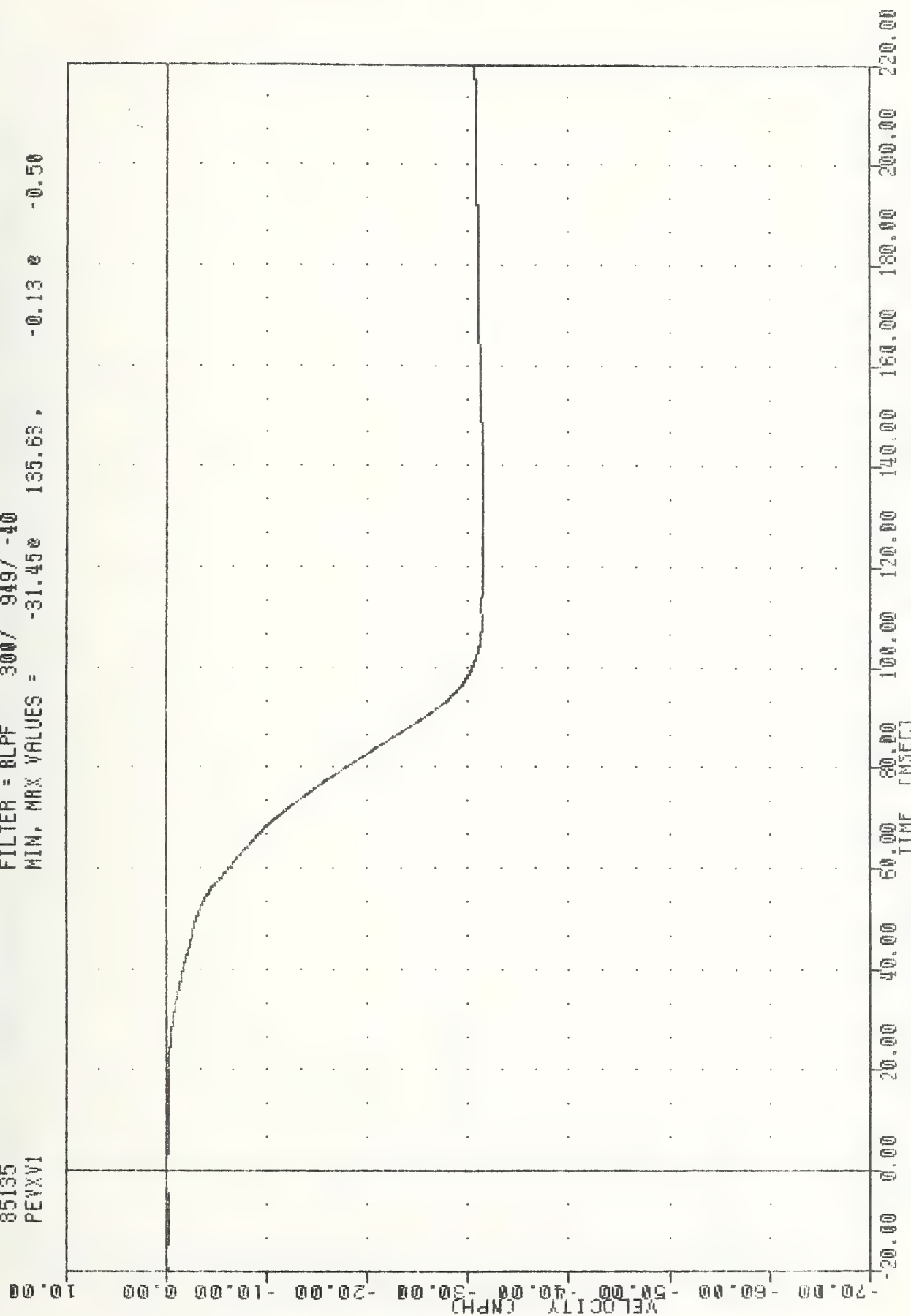
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRIC , 60384-4-32
BREED AIRBAG SLED PROGRAM
85135
PEVXV1

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -31.45e 135.63, -0.13 e -0.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

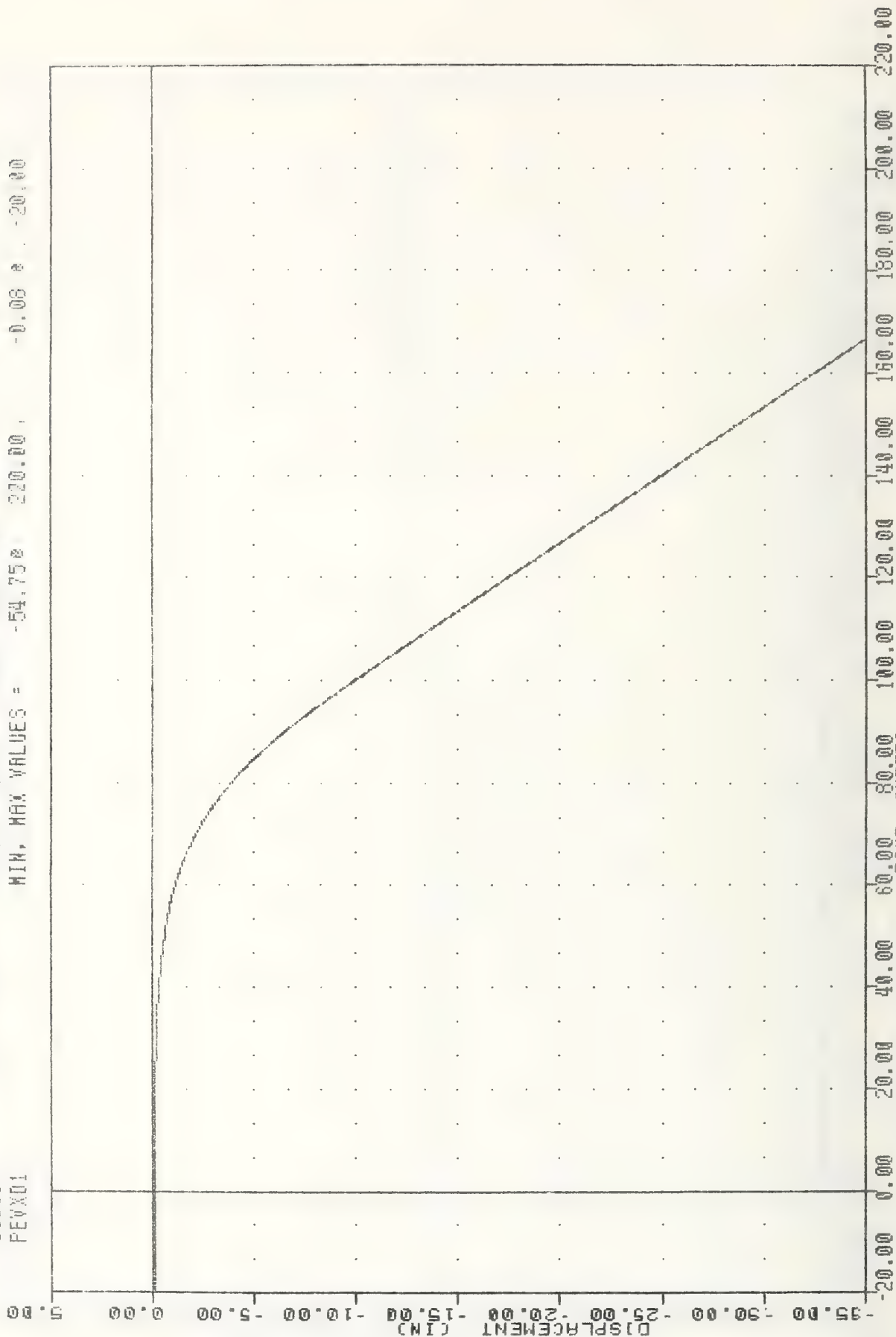
DELTA V USING PEVXG1

VRAC , RD384-4-32
BREEO AIRBAG SLED PROGRAM
85135
PEVX01

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -54.750 220.000, -0.000 -20.000



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

DELTA X USING PEVXV1

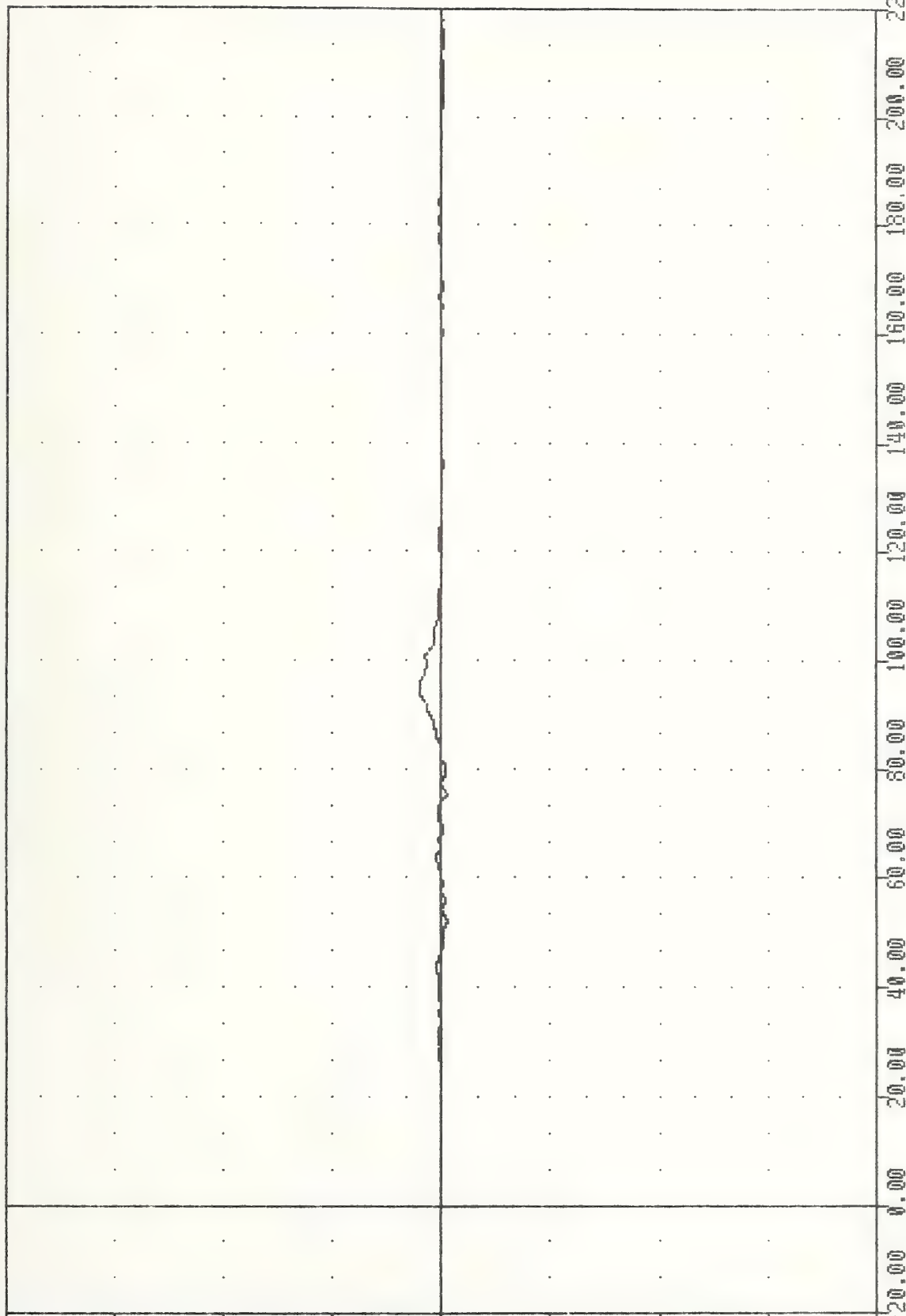
VATIC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 PEVY61

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -2.63e 52.00 , 9.91 e 95.50

ACCELERATION (G)



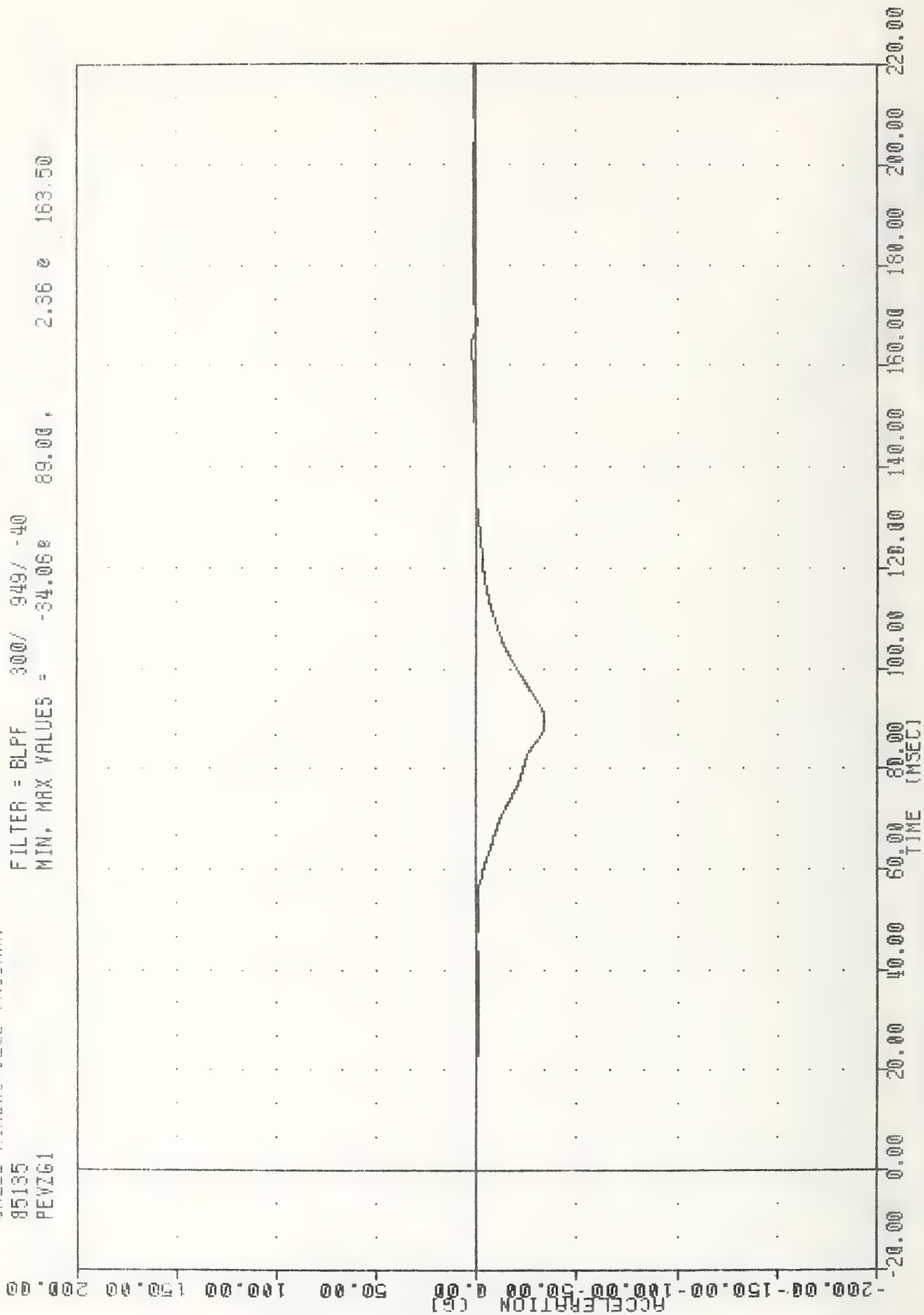
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85135
PEVZG1

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -34.06e 89.00e 2.36 e 163.50



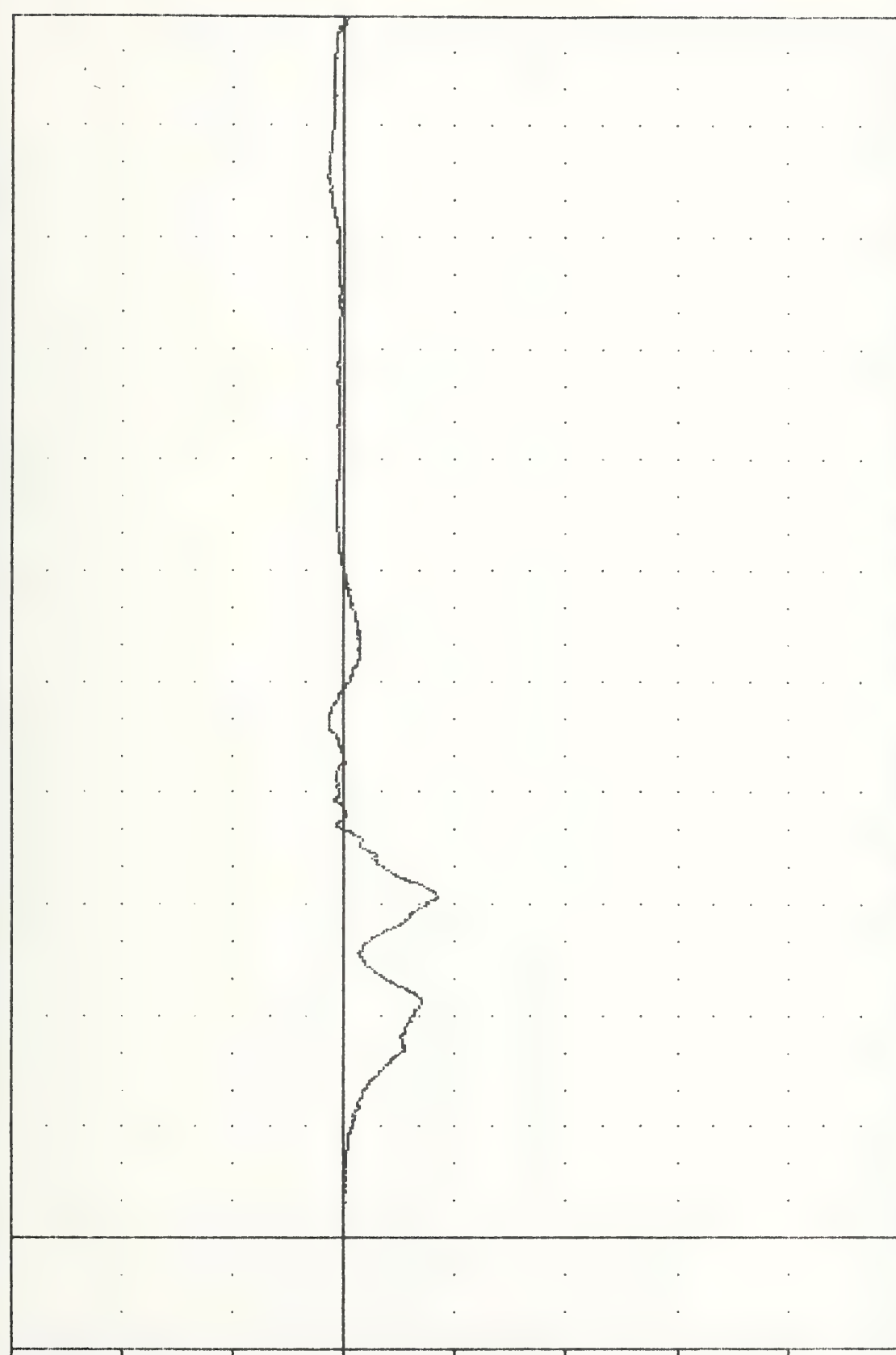
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

VR1C , RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
LFNF1

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -506.16e 61.25, 85.87 e 190.75

FORCE (LBS)
(x10³)



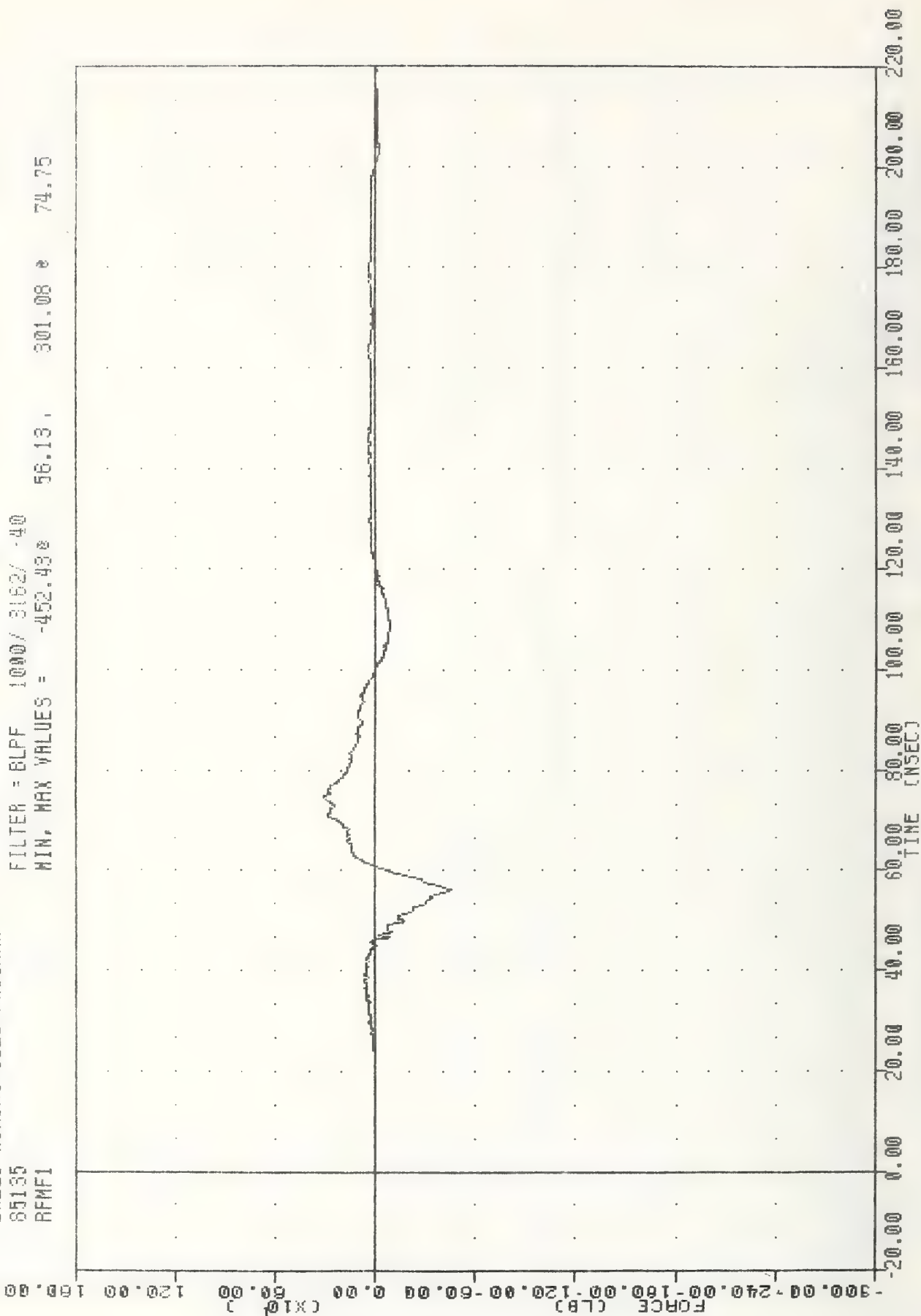
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

VRTC , RD384-4-82
 BREED AIRBAG SLED PROGRAM
 85135
 RFMF1

PLOT DATE 15-MAY-85 (5:27:16)

FILTER = BLPF 1000/ 3162/ -40
 MIN, MAX VALUES = -452.43e 56.13 , 301.08 e 74.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER RIGHT FEMUR FORCE

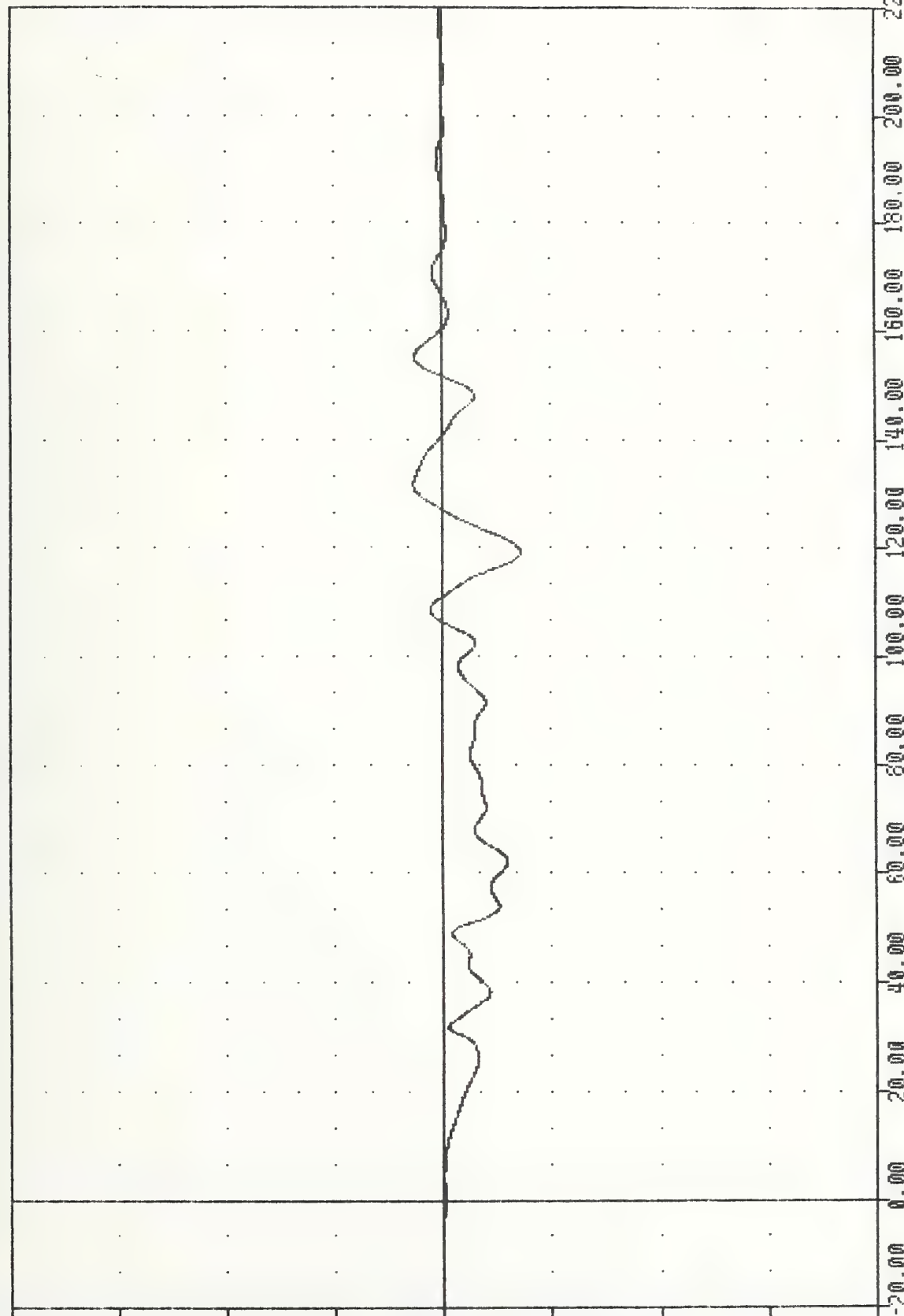
WATC , RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
STHPS

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -35.83 119.25, 13.61 131.63

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

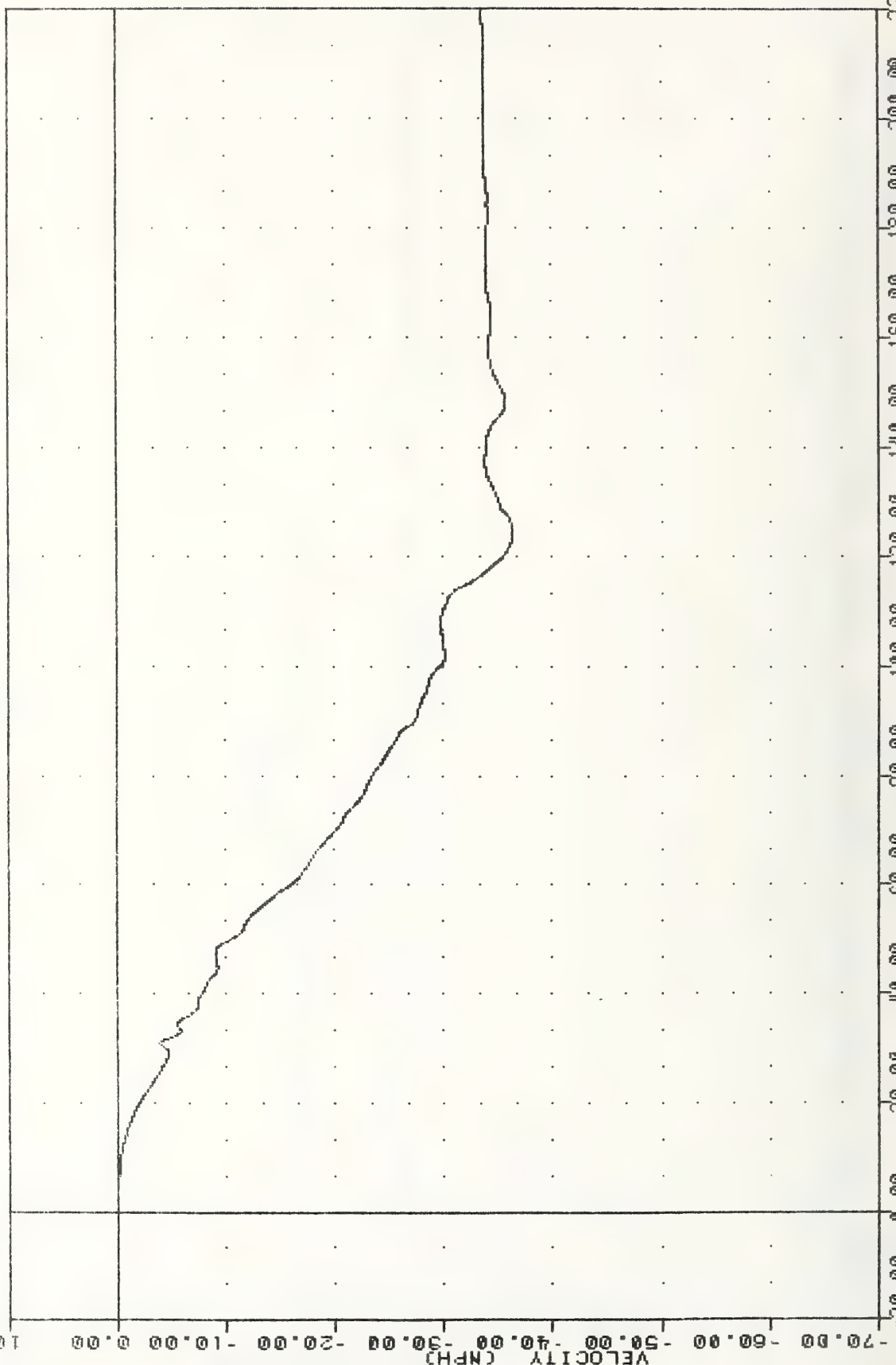
VRTC
BREED AIRBAG SLED PROGRAM
85135
STHPV

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -36.35 124.13 -0.02 -20.00

10.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA V USING STHPG

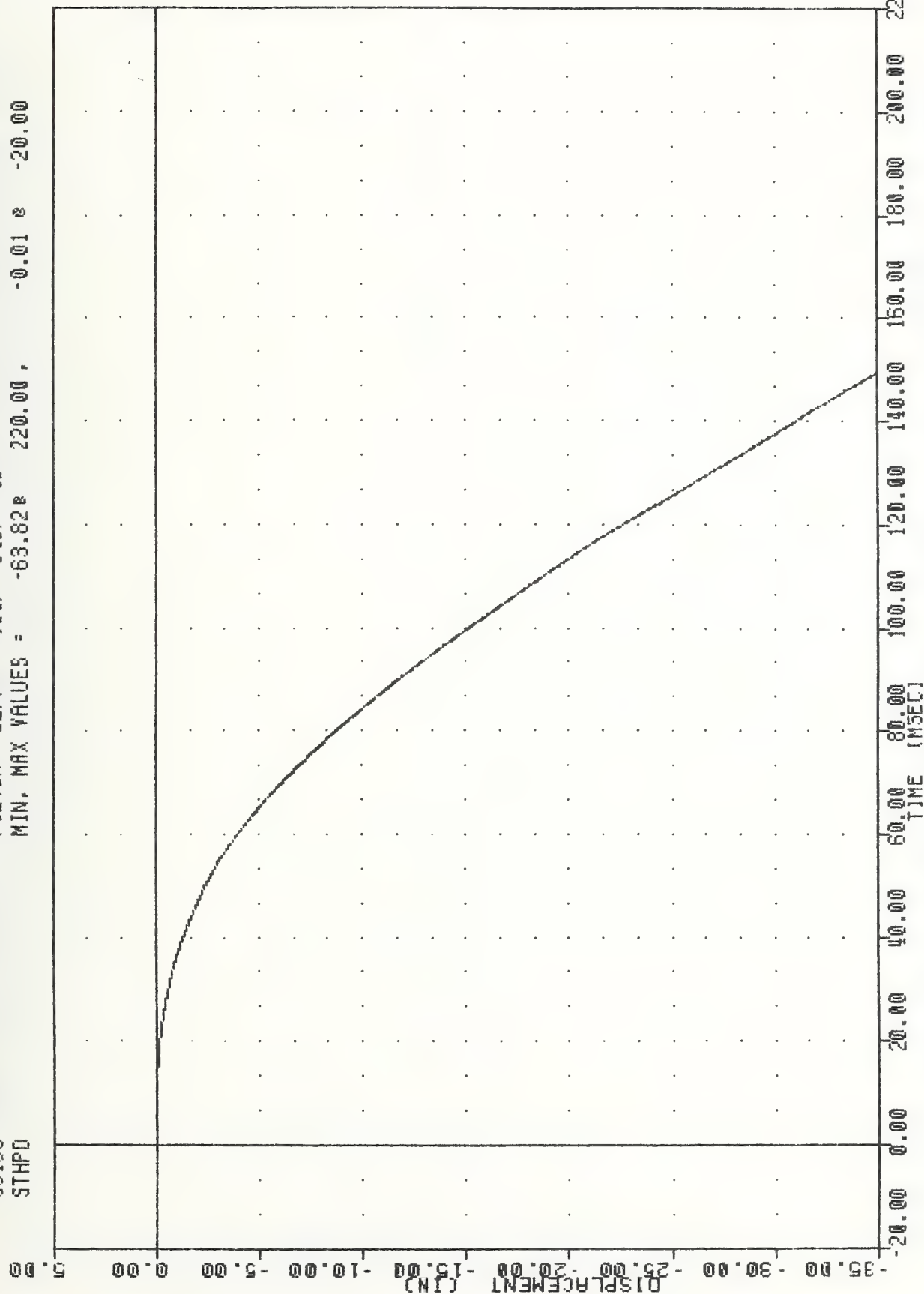
VRTC , R0384-4-32 PLOT DATE 15-MAY-85 15:49:27

BREED AIRBAG SLED PROGRAM

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -63.82 220.00, -0.01 20.00

85135
STHPO



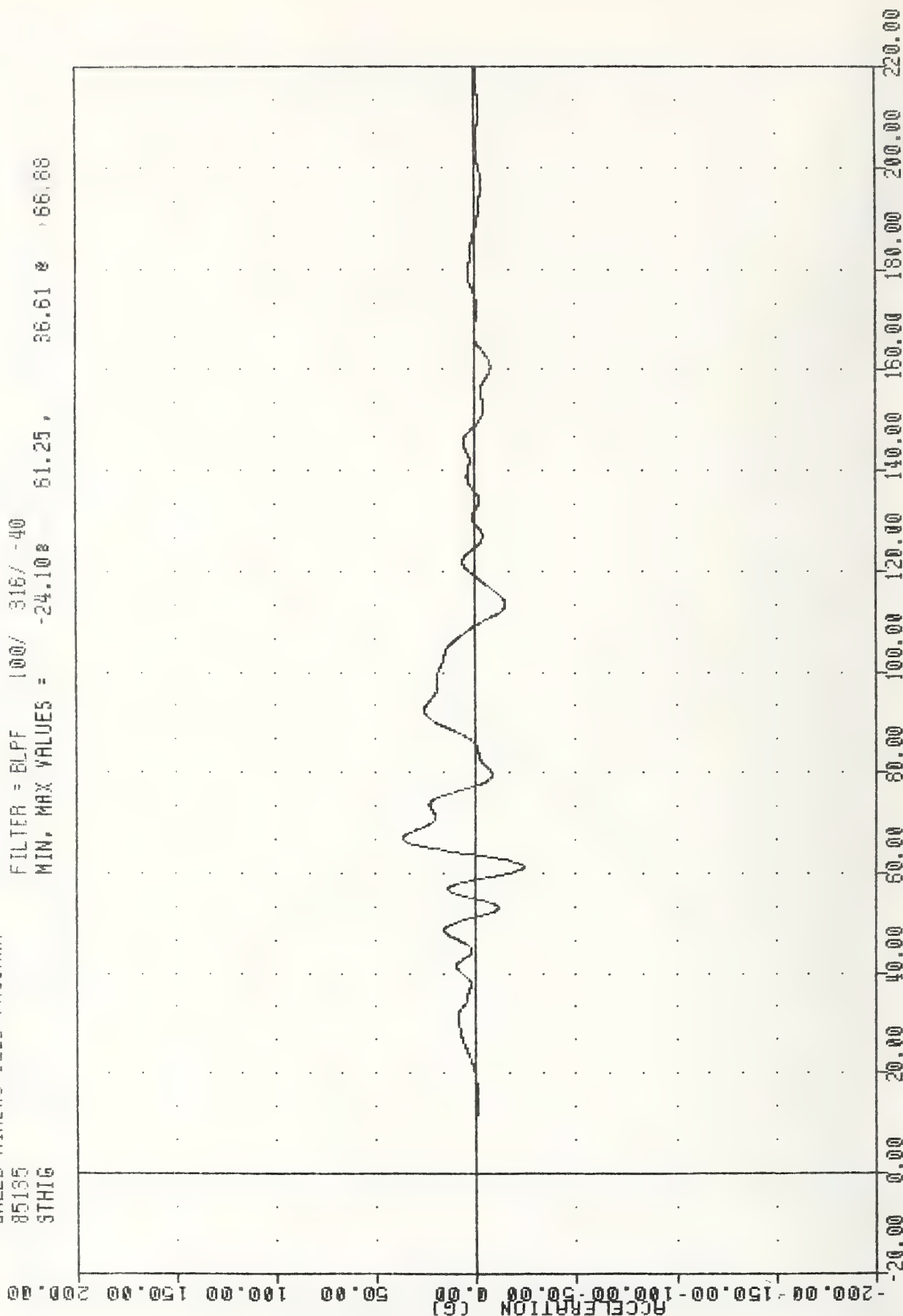
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING STHPV

VRTC
BREED AIRBAG SLED PROGRAM
85135
STHIG

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLFF 100/ 316/ -40

MIN, MAX VALUES = -24.10g 61.25, 36.61g 66.88



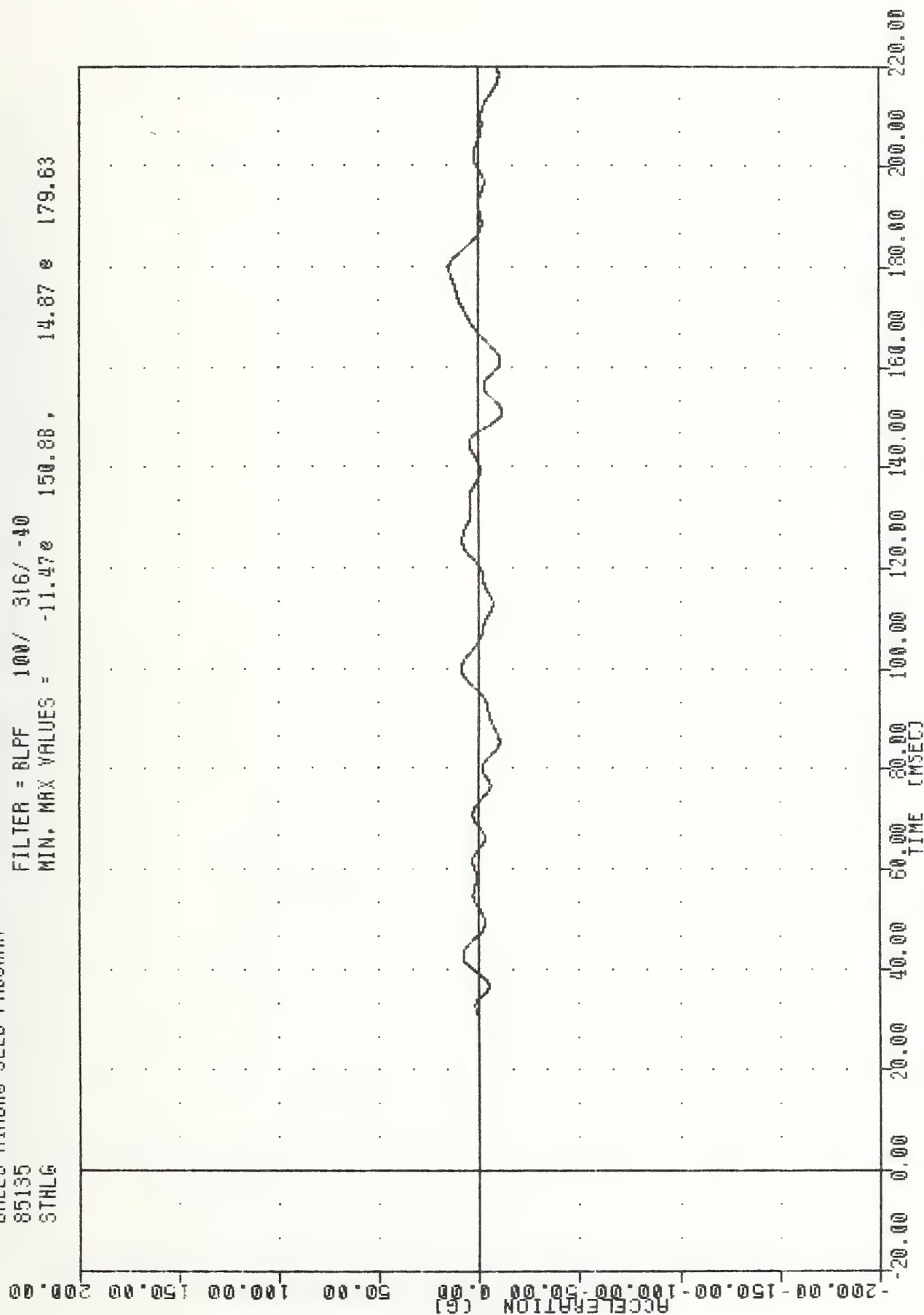
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

VRIC , RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
STHLG

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -11.47e 150.88, 14.87 e 179.63



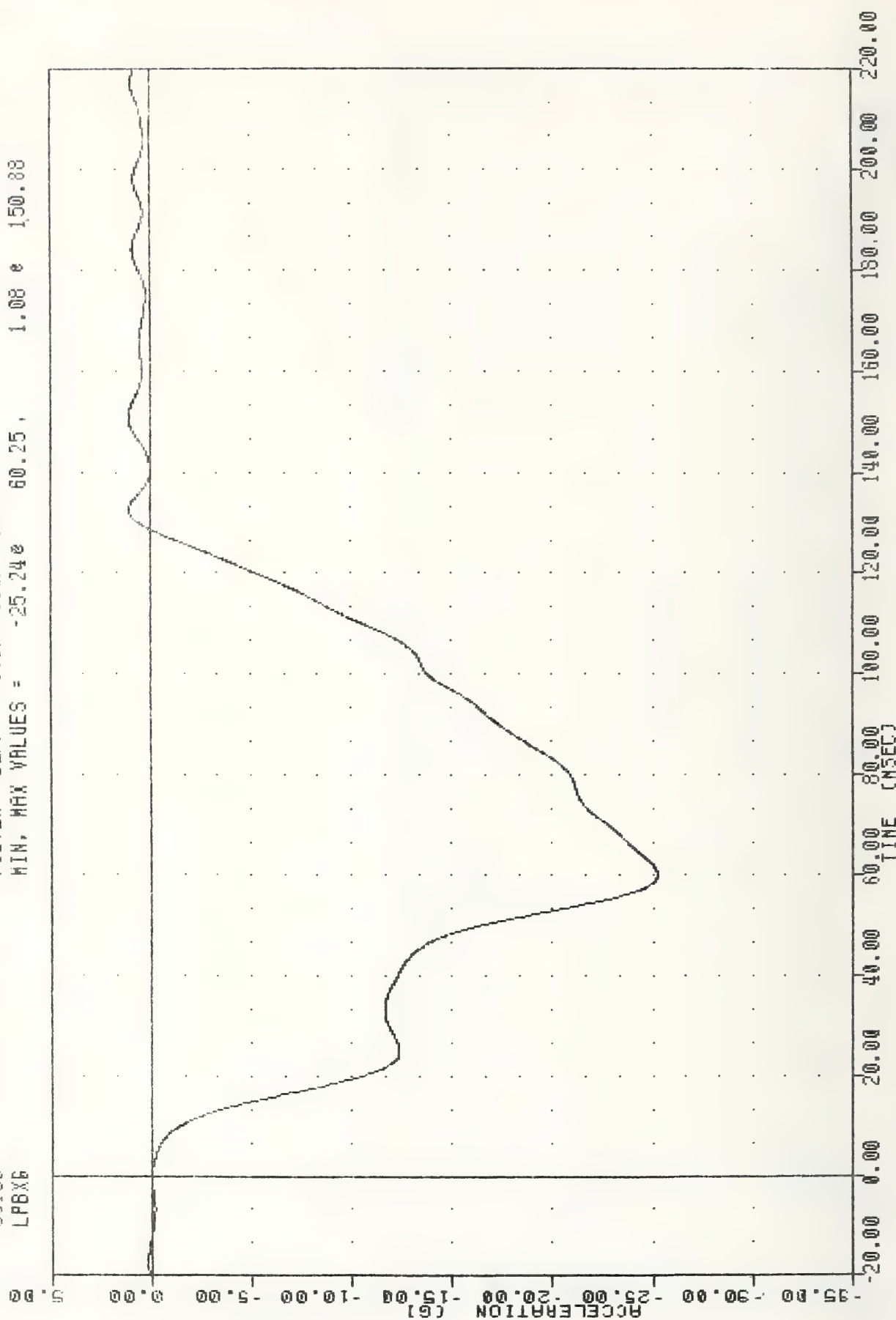
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION N-L AXIS

VATC , RD384-4-32
BREED AIRBAG SLED PROGRAM
05135
LPBX6

PLOT DATE 15-MAY-85 15:47:16

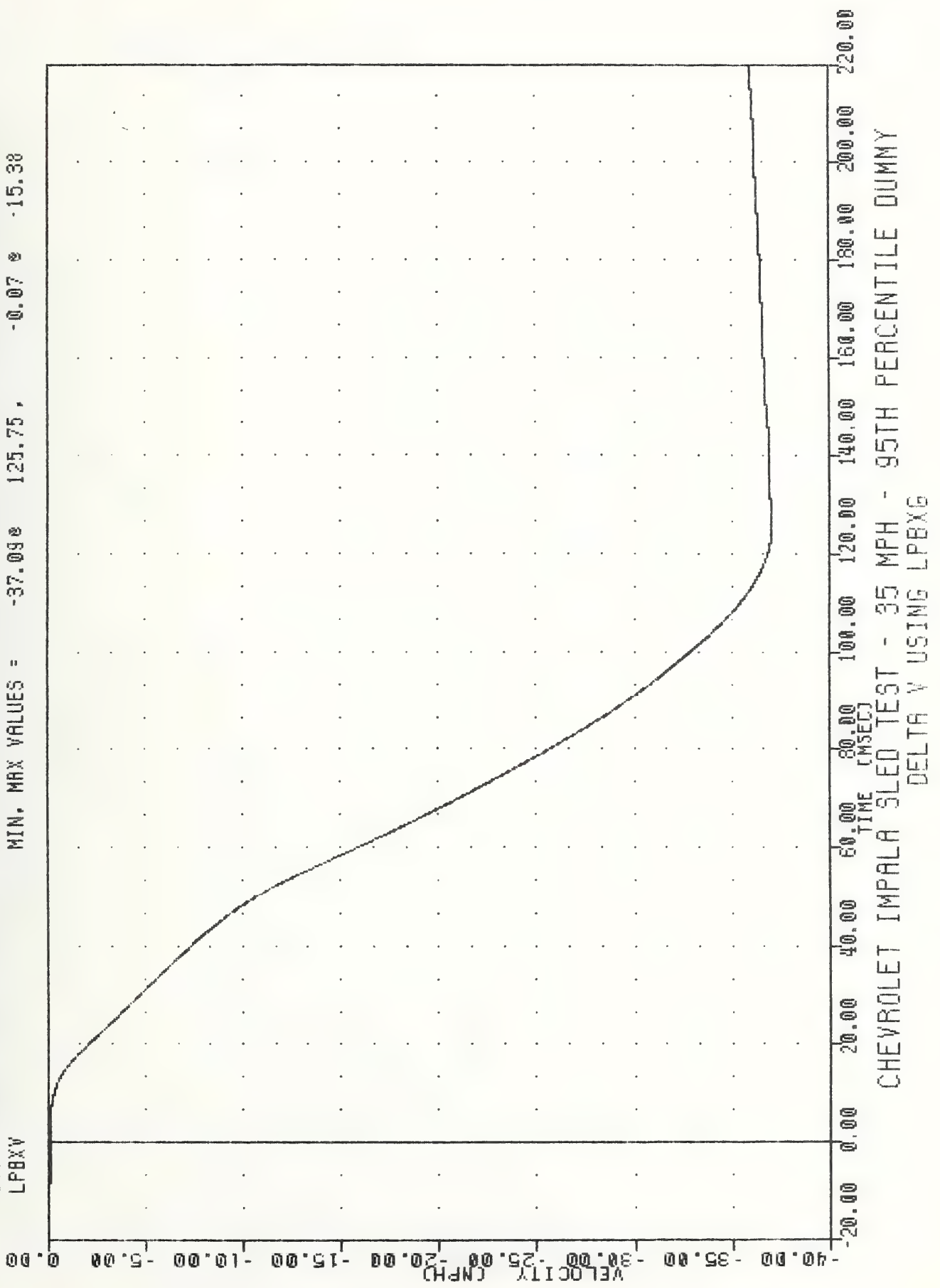
FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -25.24e 60.25, 1.08 e 150.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRIC , RD384-4-32 PLOT DATE 15-MAY-85 15:49:27
 BREED AIRBAG SLED PROGRAM
 85135 FILTER = BLPF 300/ 949/ -40
 LPBXV MIN. MAX VALUES = -37.090 125.75, -0.07 0 -15.30



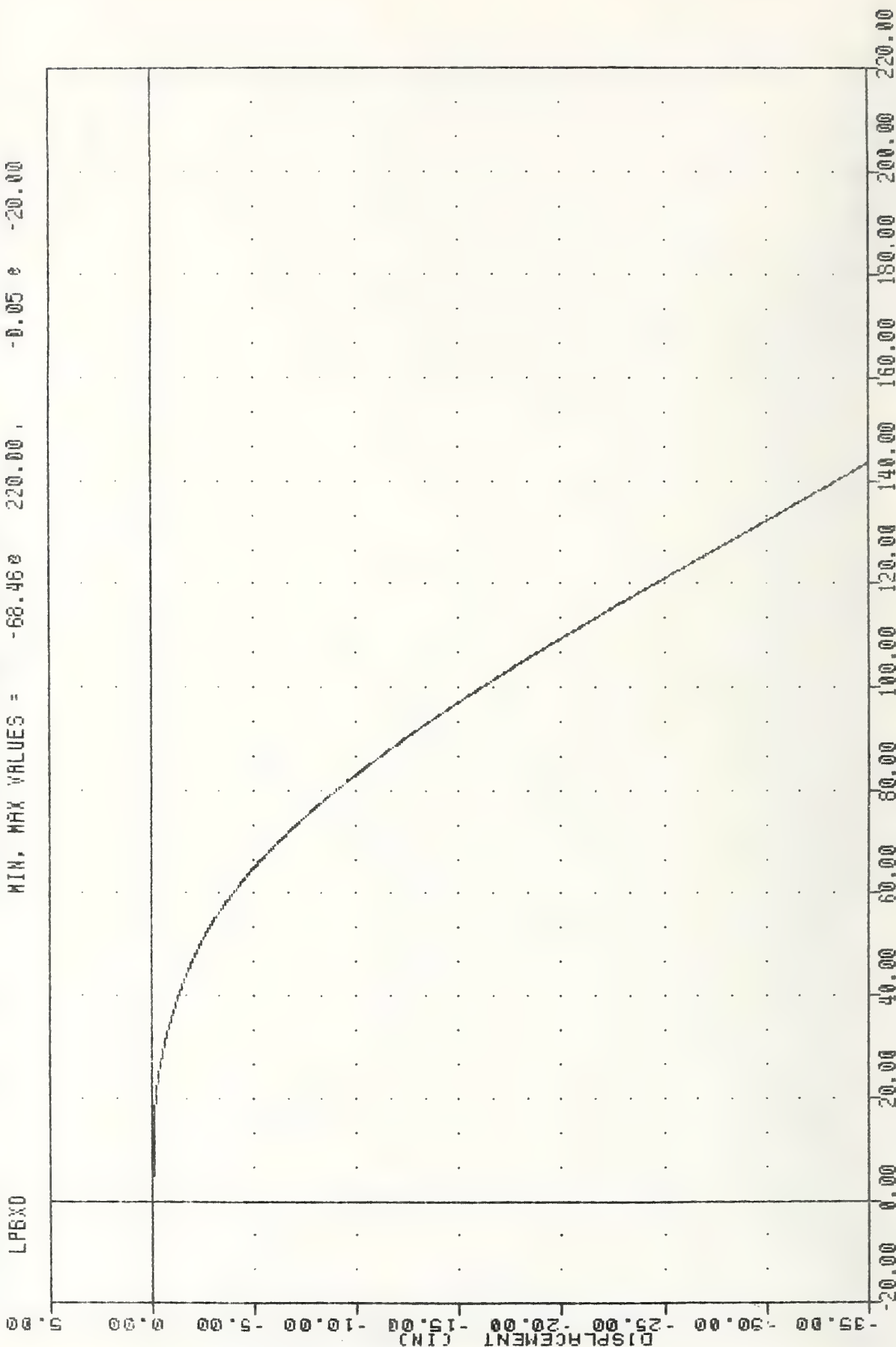
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING LPBXG

VRTC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 LPBX0

PLUT DATE 15-MAY-85 5:49:27

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -68.460 220.00, -0.05 0 -20.00



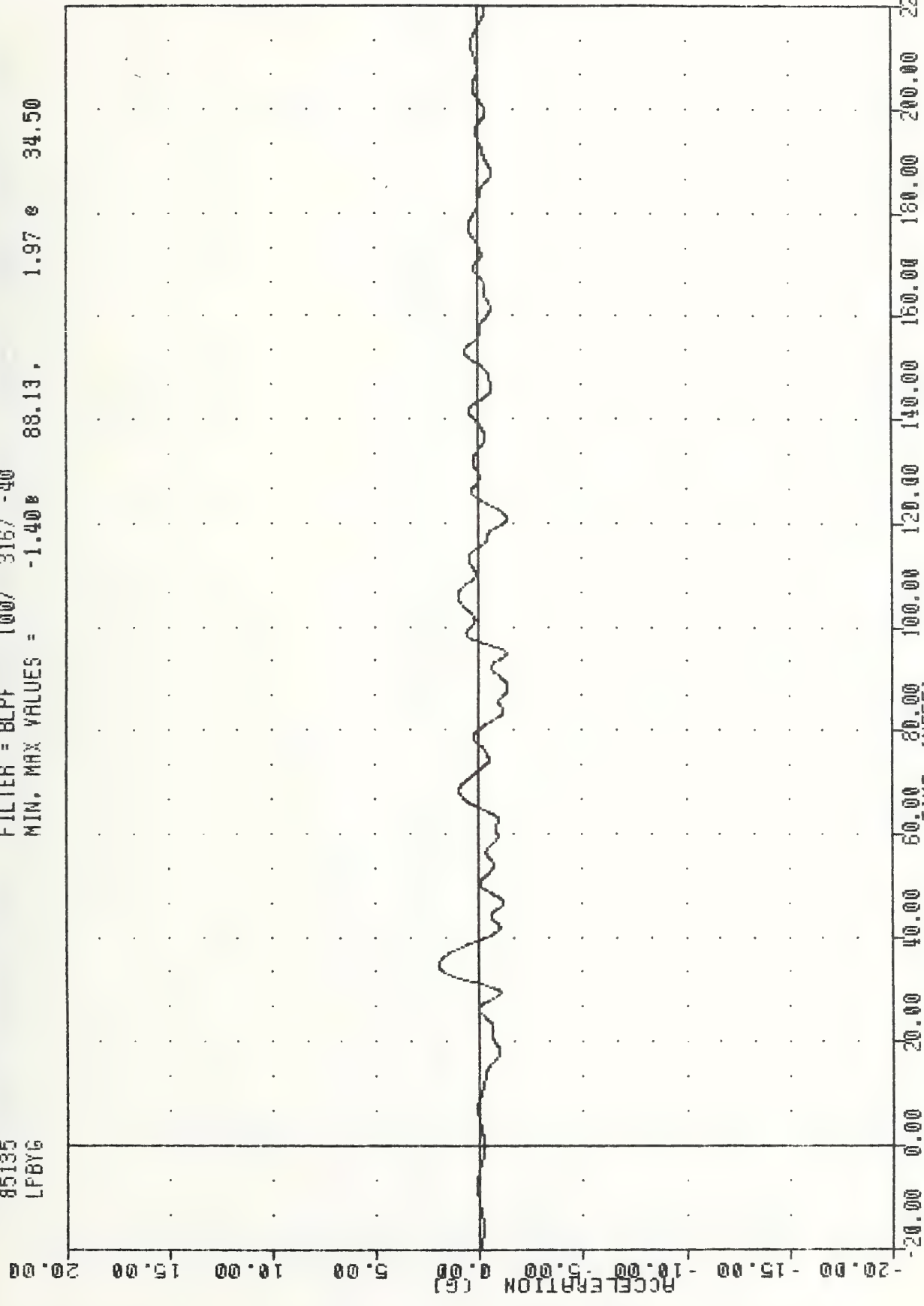
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING LPBXV

VRTC RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
LPBYG

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.40 88.13 1.97 34.50



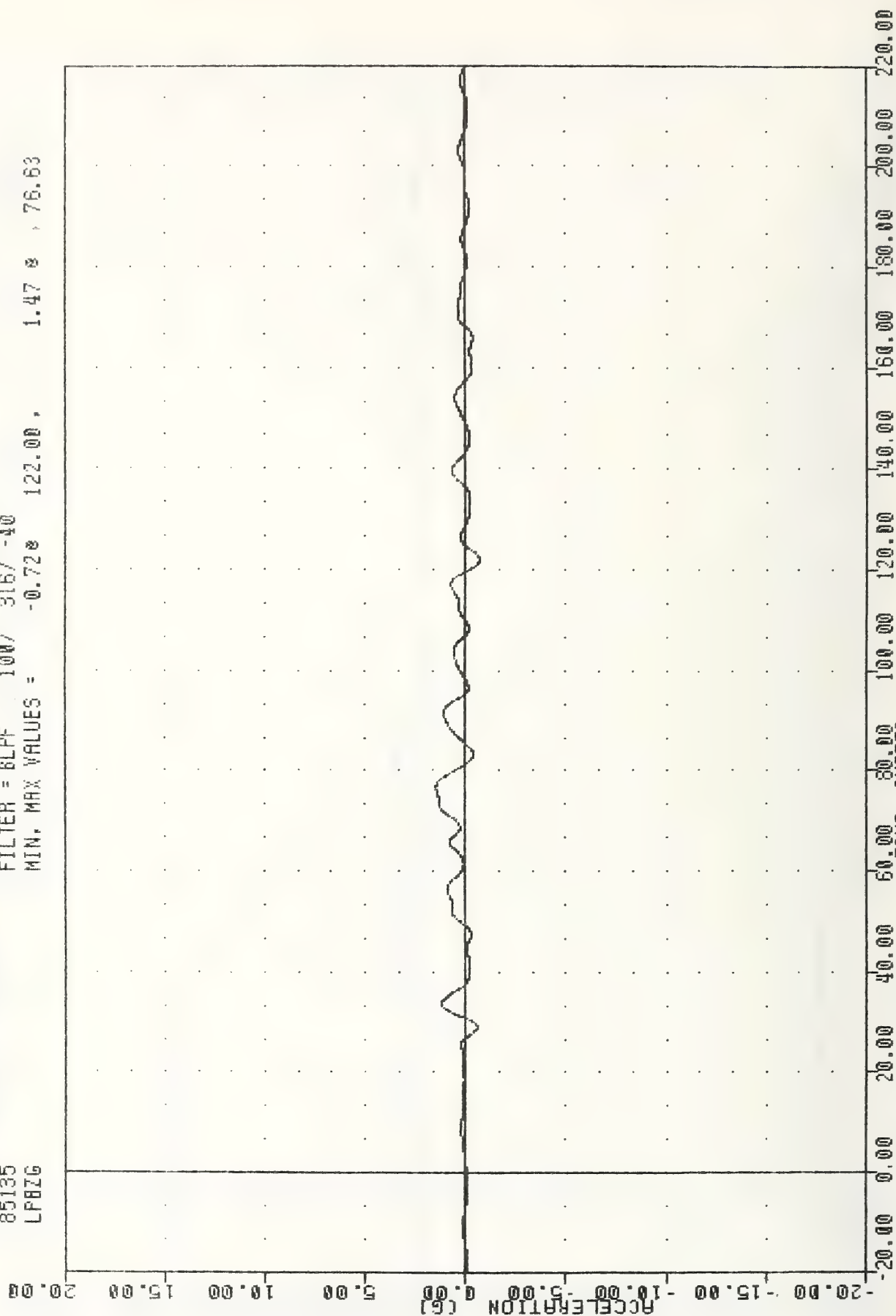
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRIC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 LPBZG

PLOT DATE 15-MAY-85 15:47:16

FILTER = 8LFF 100/ 316/ -40

MIN. MAX VALUES = -0.72g 122.00, 1.47g , 76.63



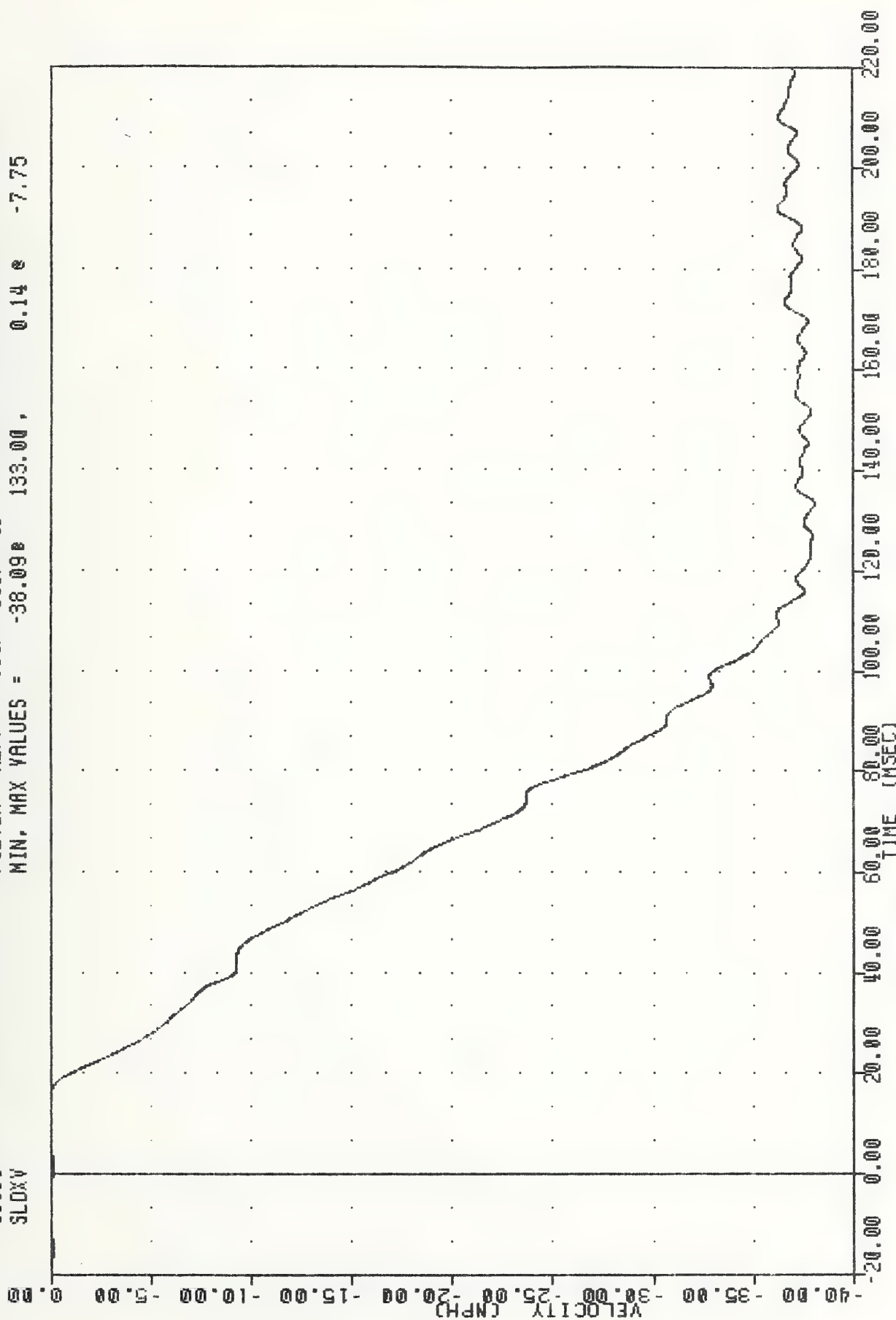
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 PILLAR LEFT B ACCELERATION Z AXIS

VRTC , RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
SLODY

PLOT DATE 15-MAY-85 15:47:16

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -38.098 133.00 , 0.14 s -7.75



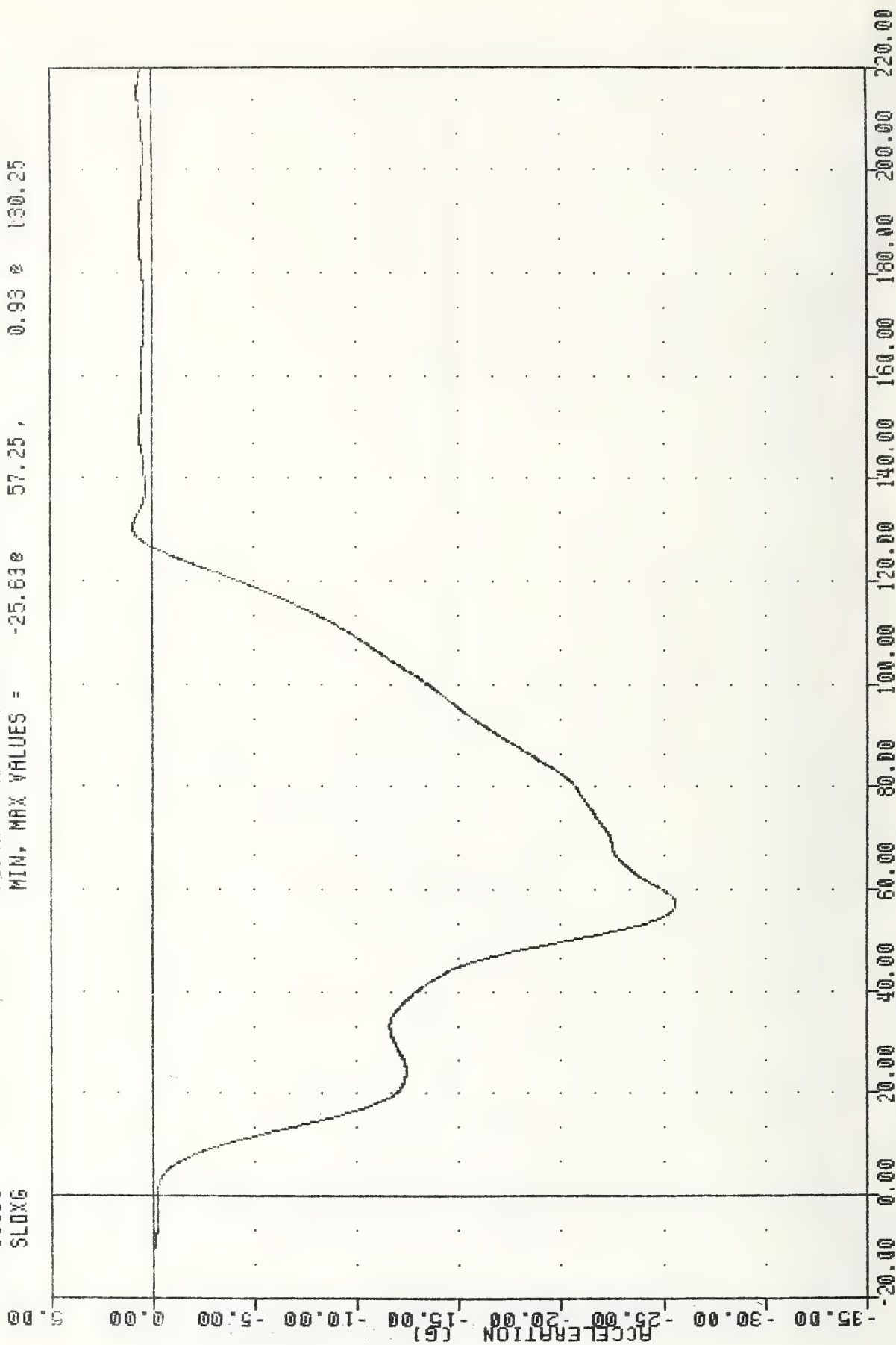
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRIC , RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
SLOXG

PLOT DATE 15-MAY-85 15:47:16

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -25.630 57.25, 0.93 0 130.25



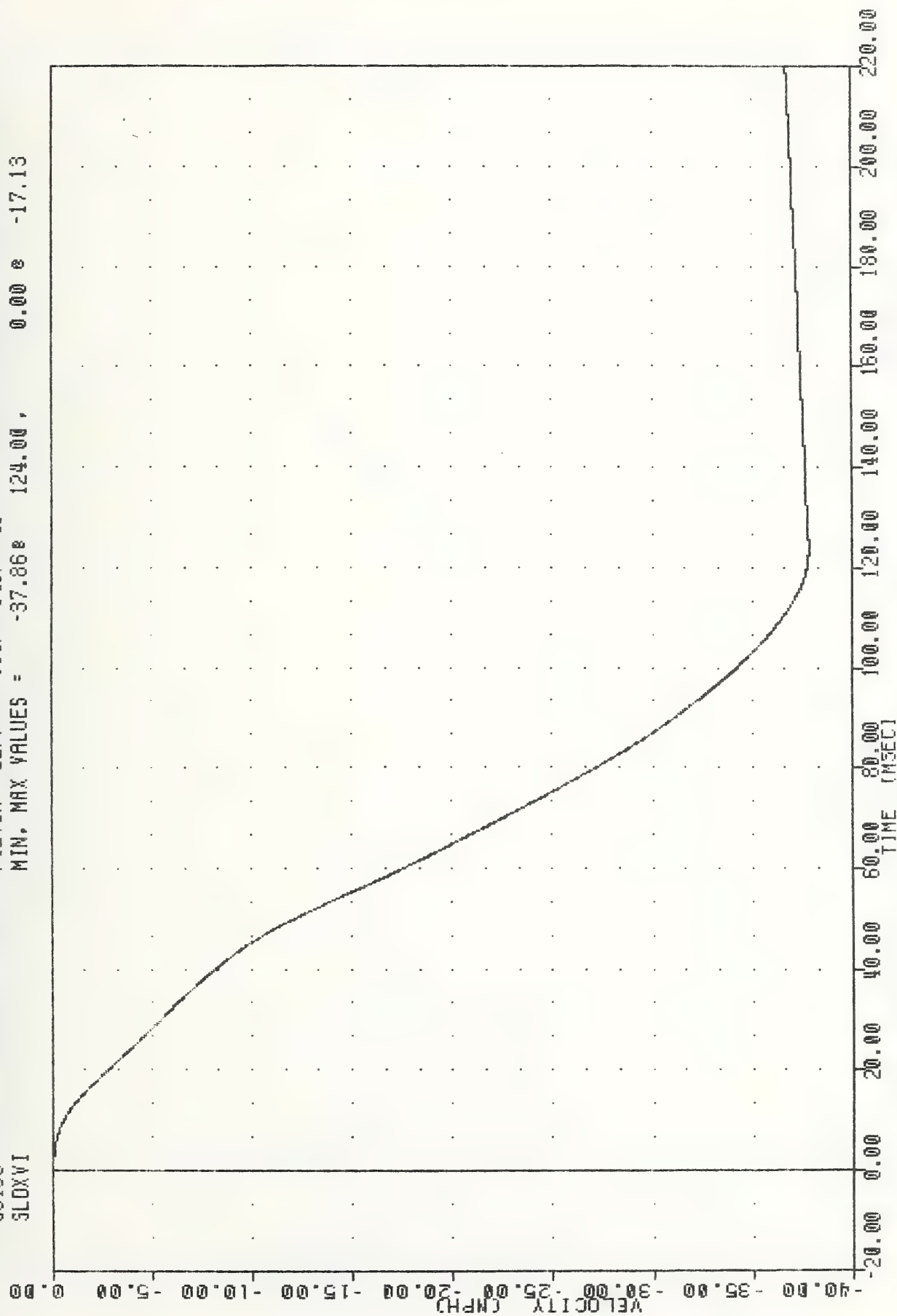
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC , R0384-4-32
BREED AIRBAG SLED PROGRAM
85135
SLOXVI

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -37.86e 124.00, 0.00 e -17.13



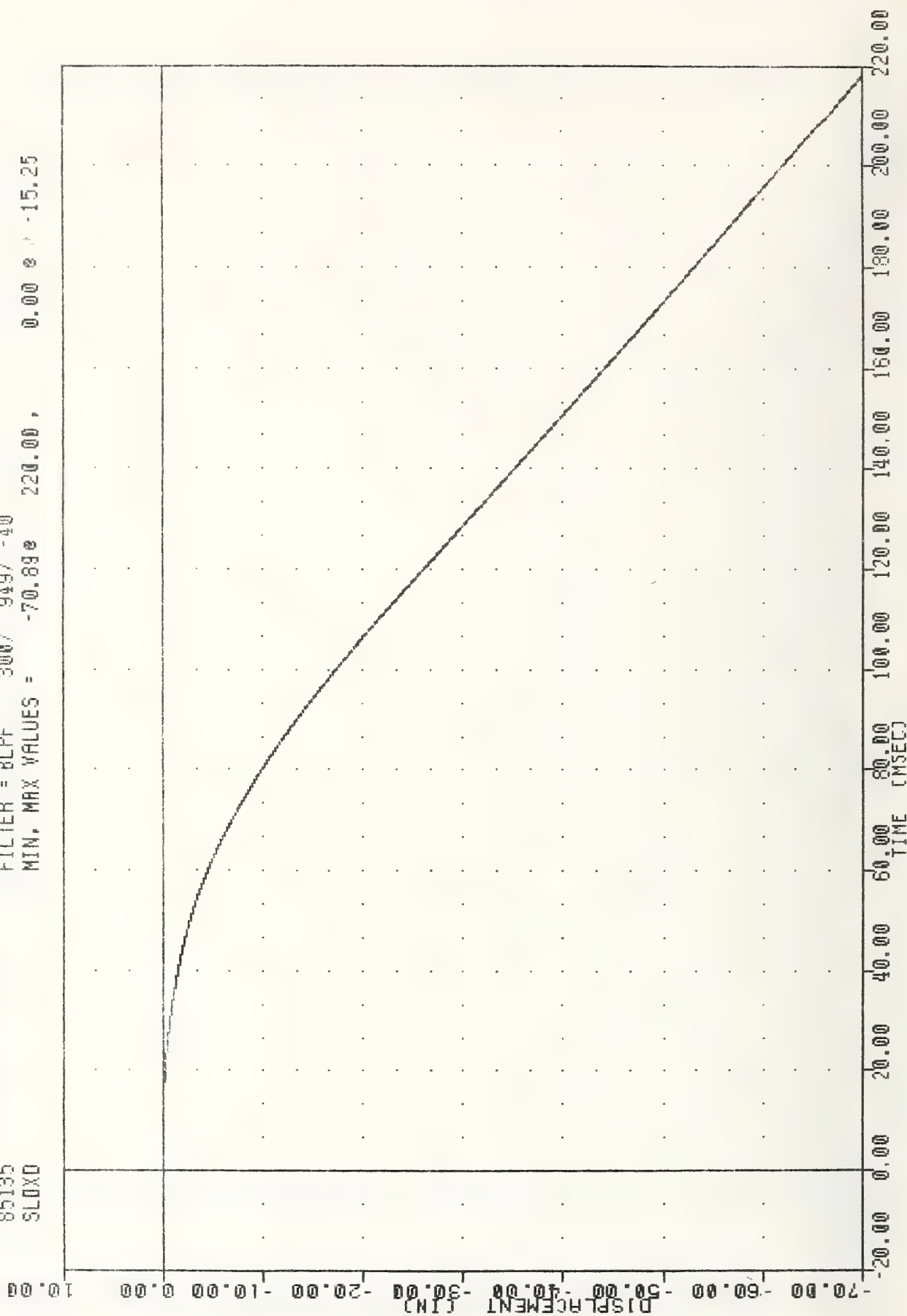
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

VRTC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 SLOXD

PLOT DATE 15-MAY-85 15:49:27

FILTER = 8LPF 300/ 949/ -40

MIN. MAX VALUES = -70.89e 220.00 , 0.00 e -15.25



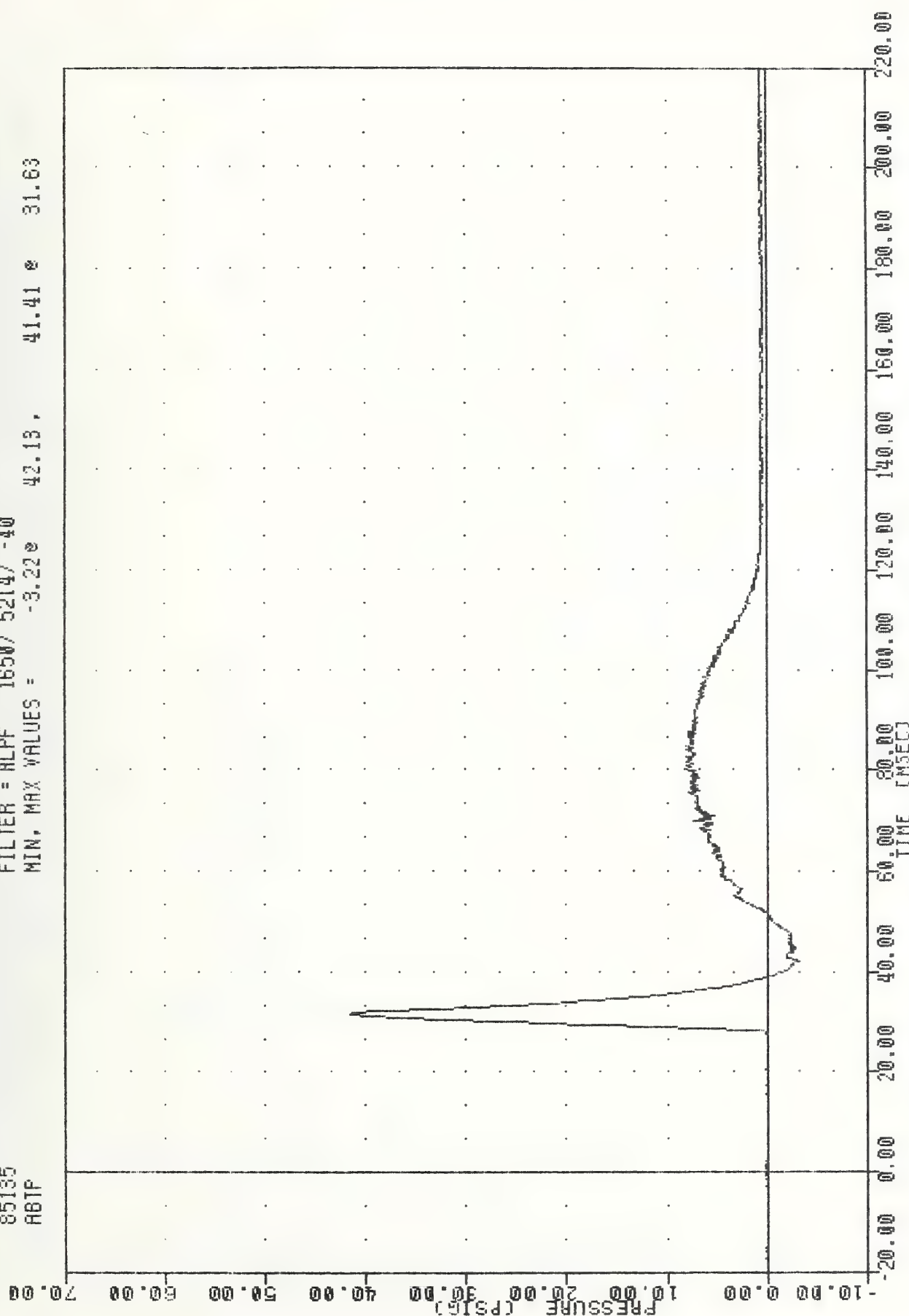
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

VRTG , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 ABTP

PLOT DATE 15-MAY-85 15:47:16

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.22e 42.13, 41.41 e 31.63

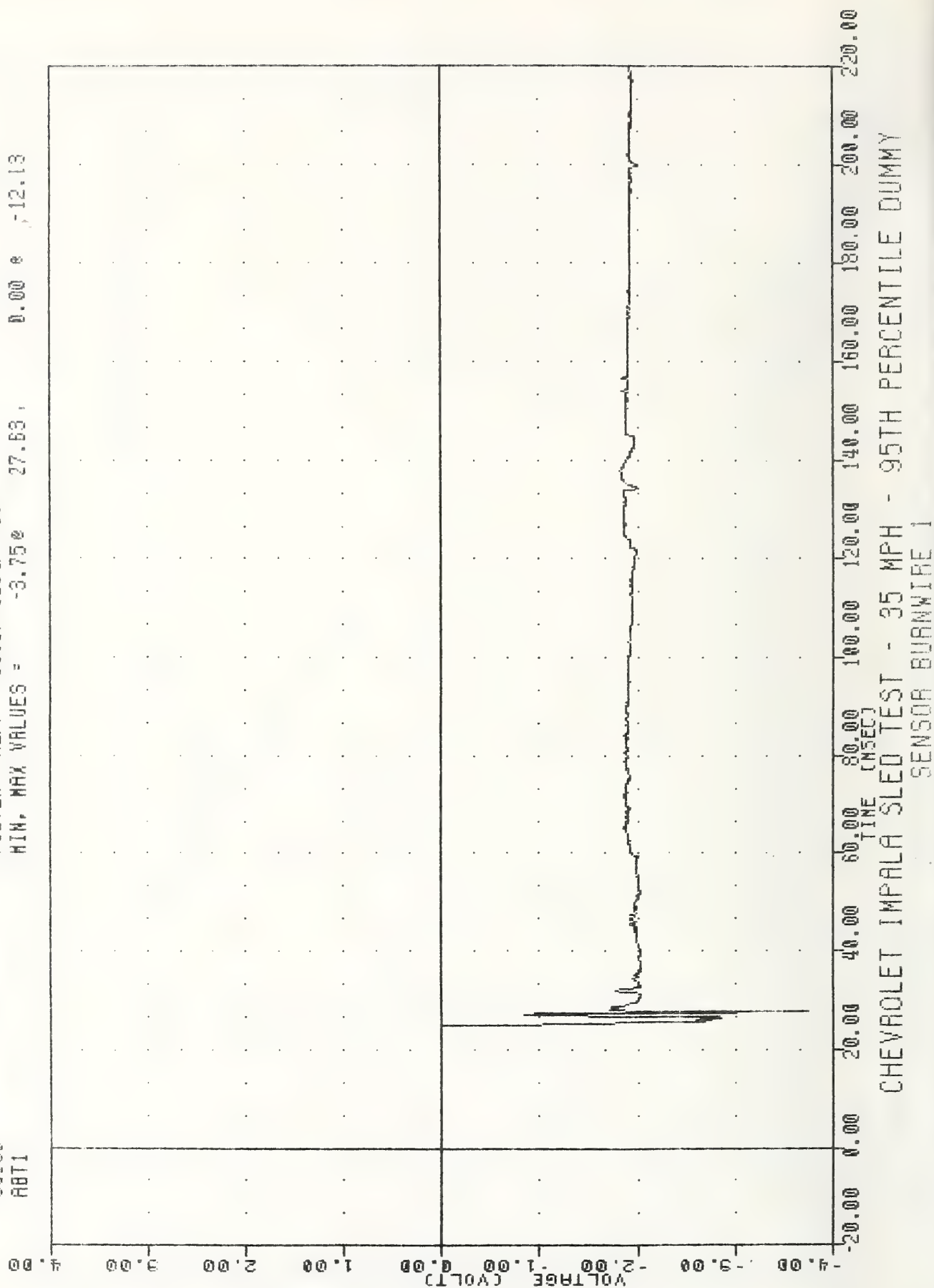


WATC RD384-4-22
BREED AIRBAG SLED PROGRAM
85135
ABT1

PLOT DATE 15-MAY-85 15:47:18

FILTER = ALPF 1650/ 5214/ -40

HIN, MAX VALUES = -3.75e 27.53, 0.00 e -12.13

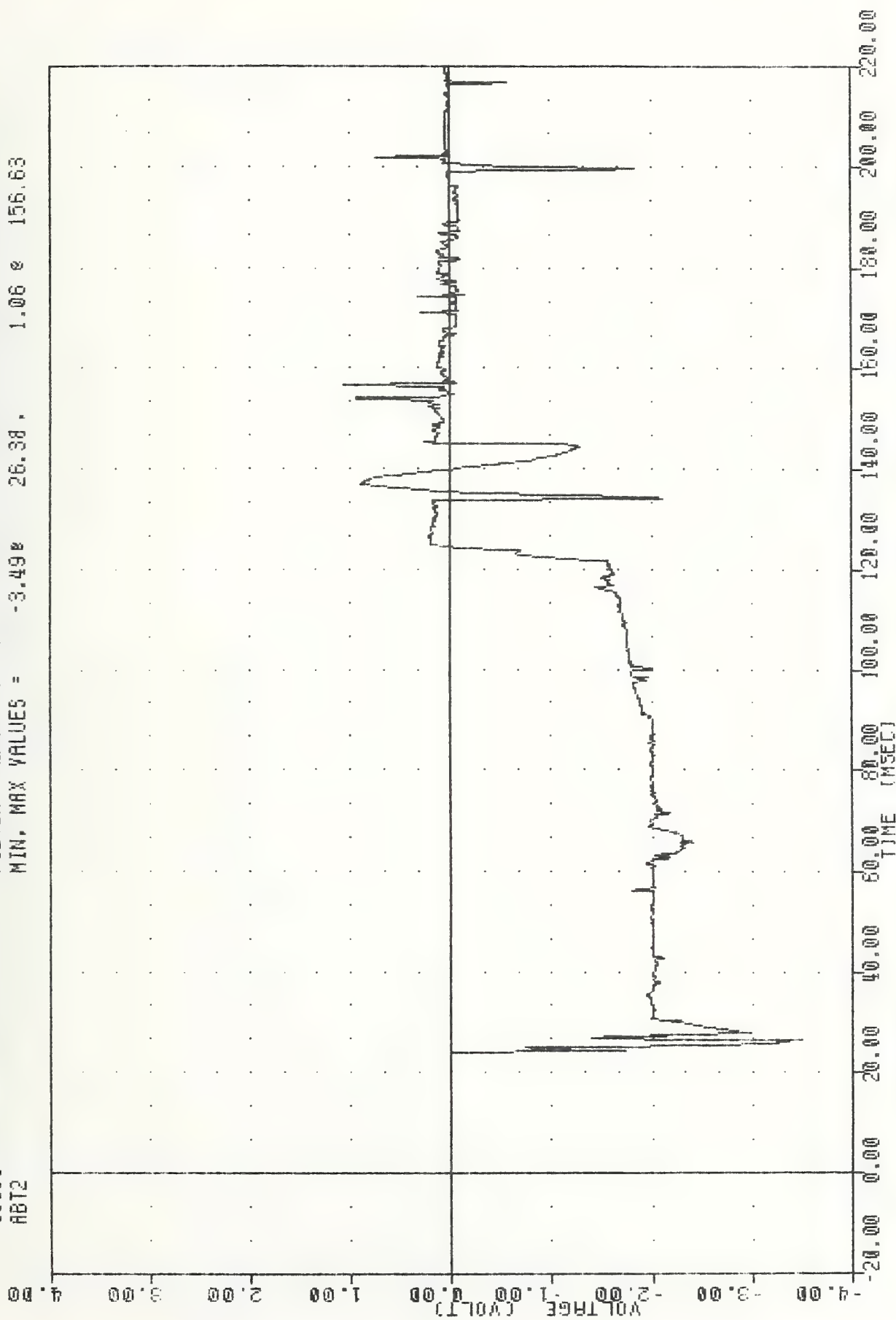


VETC
 BREED AIRBAG SLED PROGRAM
 85135
 ABT2

PLOT DATE 15-MAY-85 15:47:16

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.498 26.38, 1.06 156.63



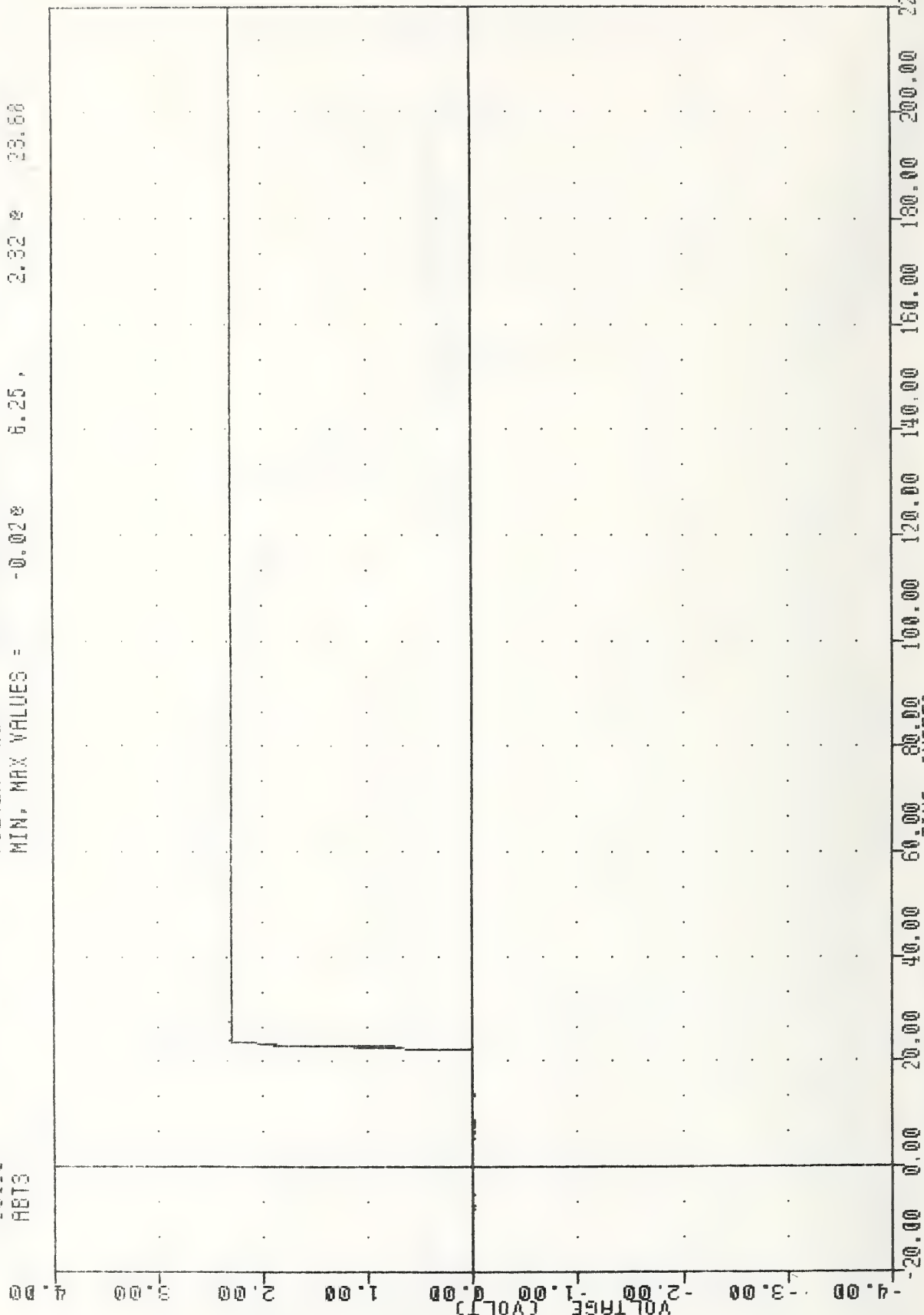
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 SENSOR BURNWIRE 2

VRIC RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 ABT3

PLOT DATE 15-MAY-85 15:47:16

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.020 6.25, 2.32 0 23.60



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 BREED B-PILLAR SENSOR

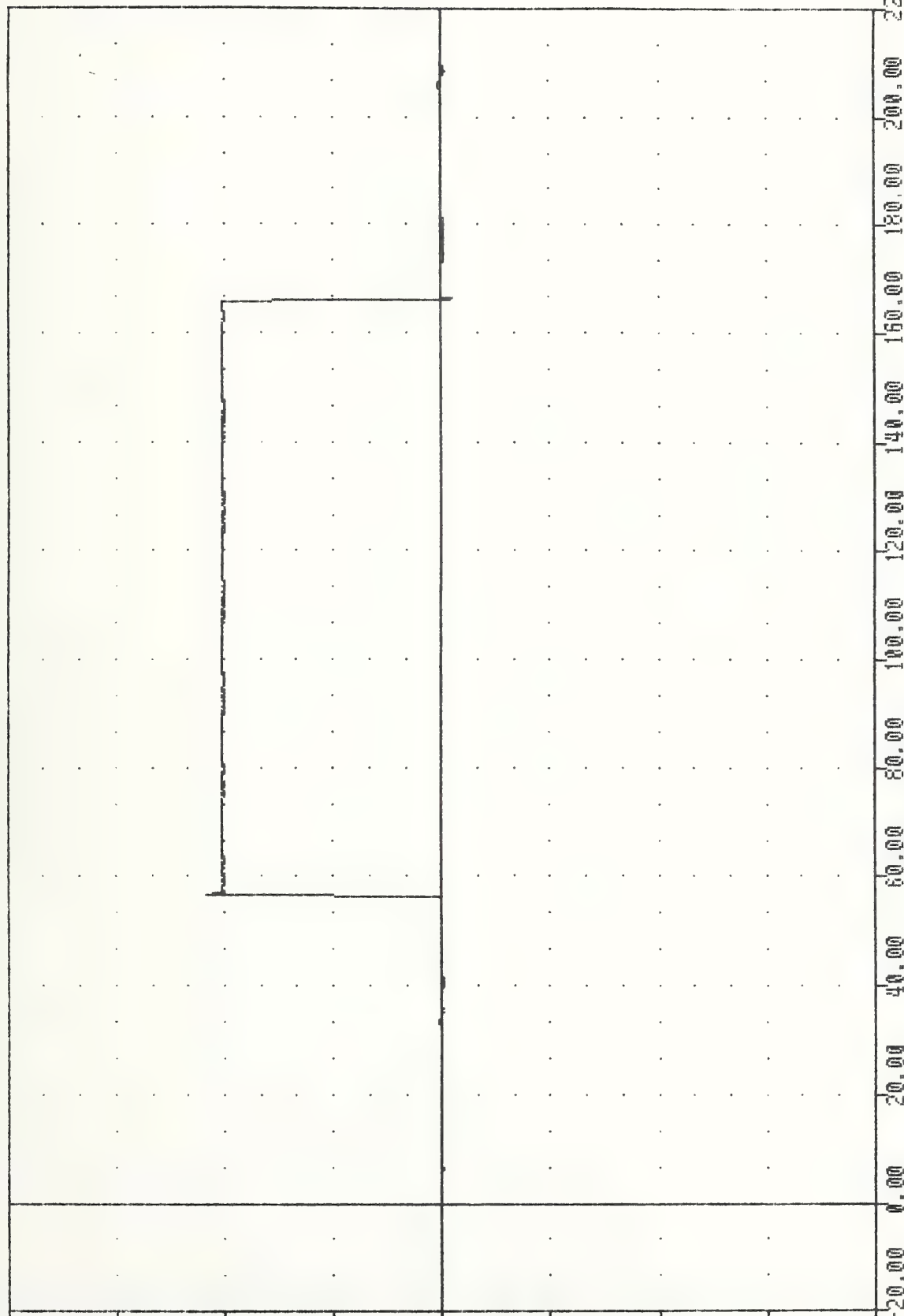
VRIC RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
ABT4

PLOT DATE 15-MAY-85 15:47:16

FILTER = ALFF 1650/ 5214/ -40

MIN. MAX VALUES = -0.11e 166.25 , 2.16 e 56.75

VOLTAGE (VOLT)



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
KNEE CONTACT

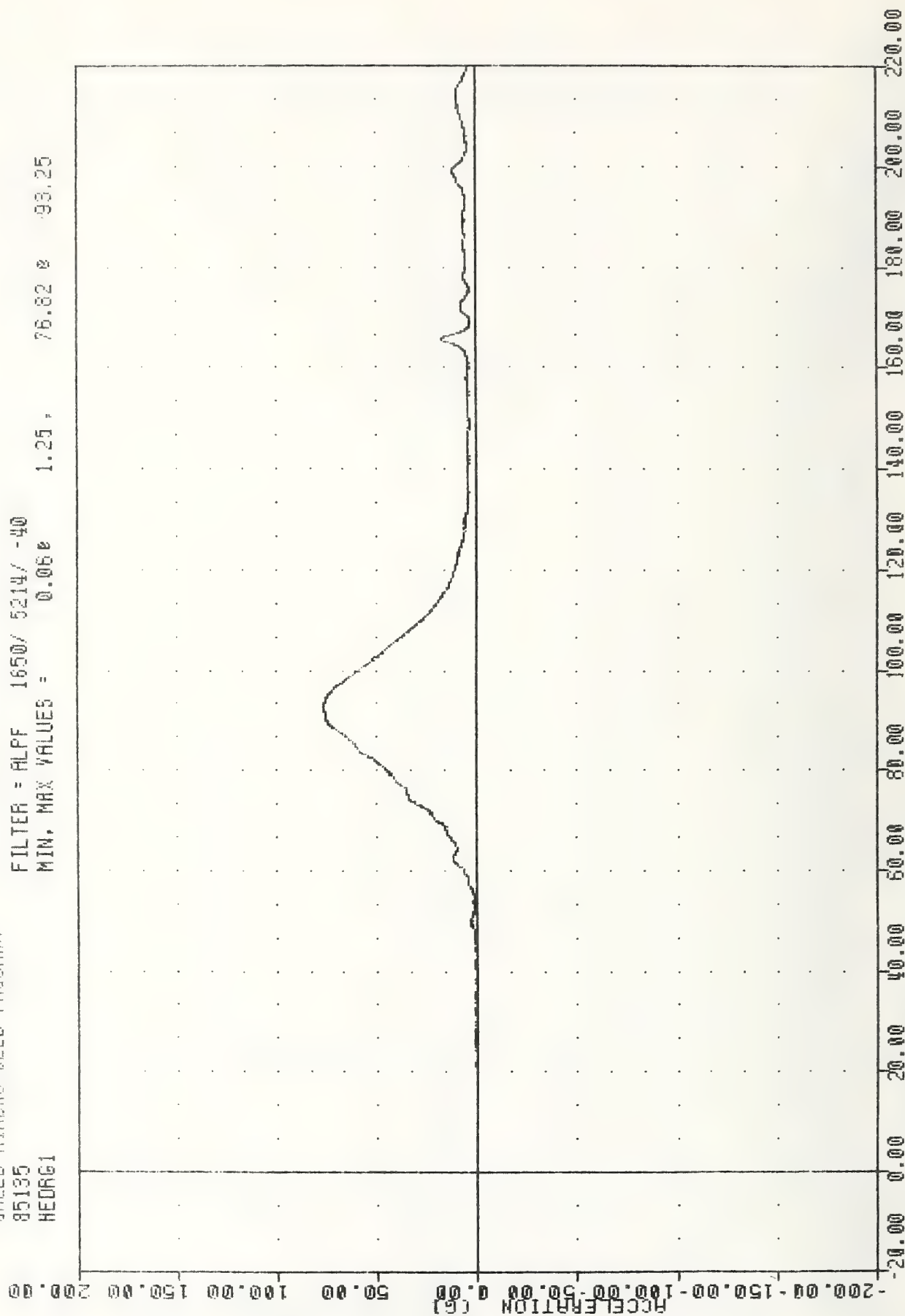
VRTC , R0384-4-32
BREED AIRBAG SLED PROGRAM
85135
HEOR61

PLOT DATE 15-MAY-85 15:50:07

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.060

1.25, 76.82 0 -93.25

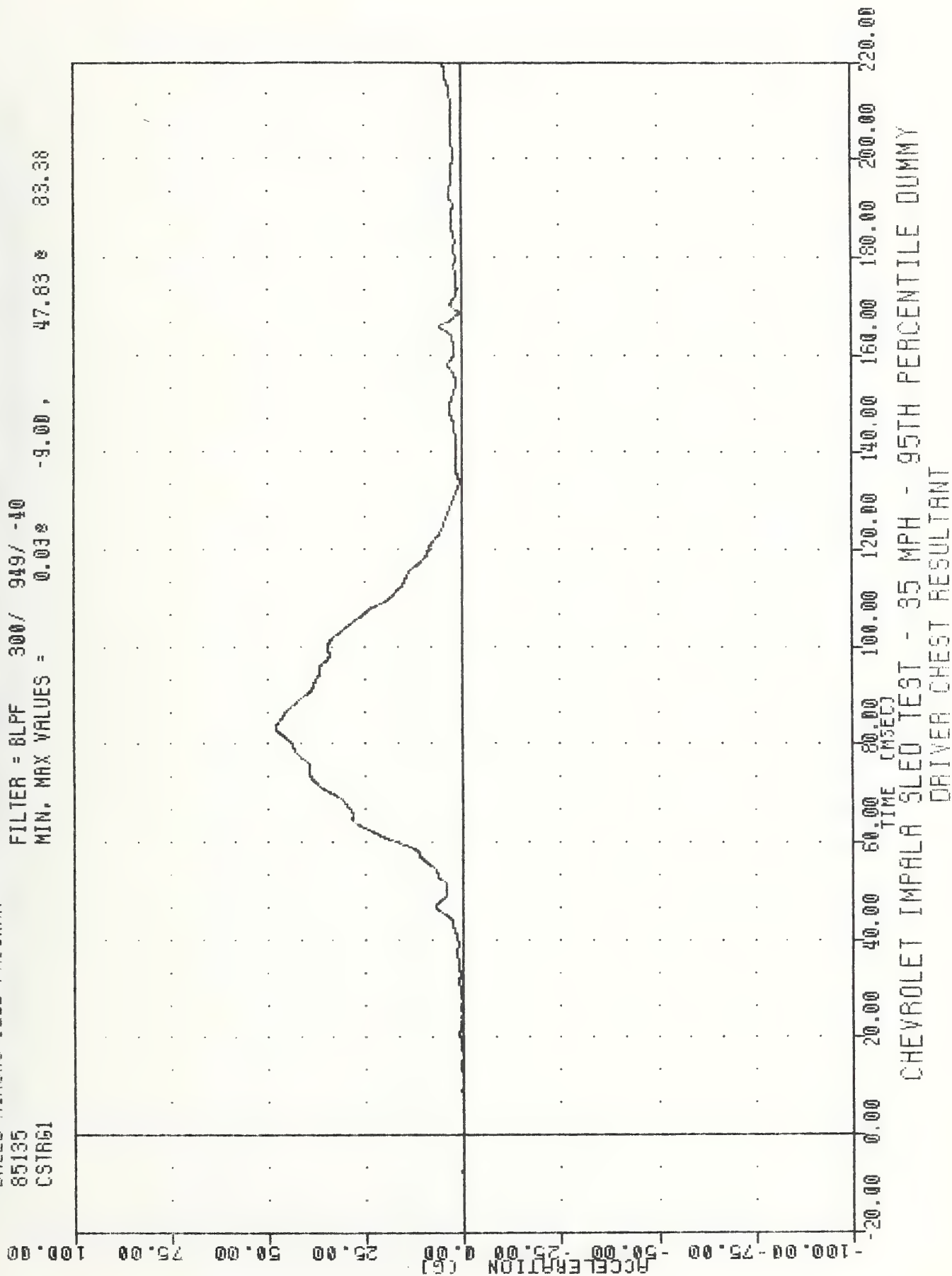


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRTC
 BREED AIRBAG SLED PROGRAM
 85135
 CSTR61

PLOT DATE 15-MAY-85 15:50:07

FILTER = 8LPF 300/ 949/ -40
 MIN. MAX VALUES = 0.03* -9.00, 47.83* 83.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST RESULTANT

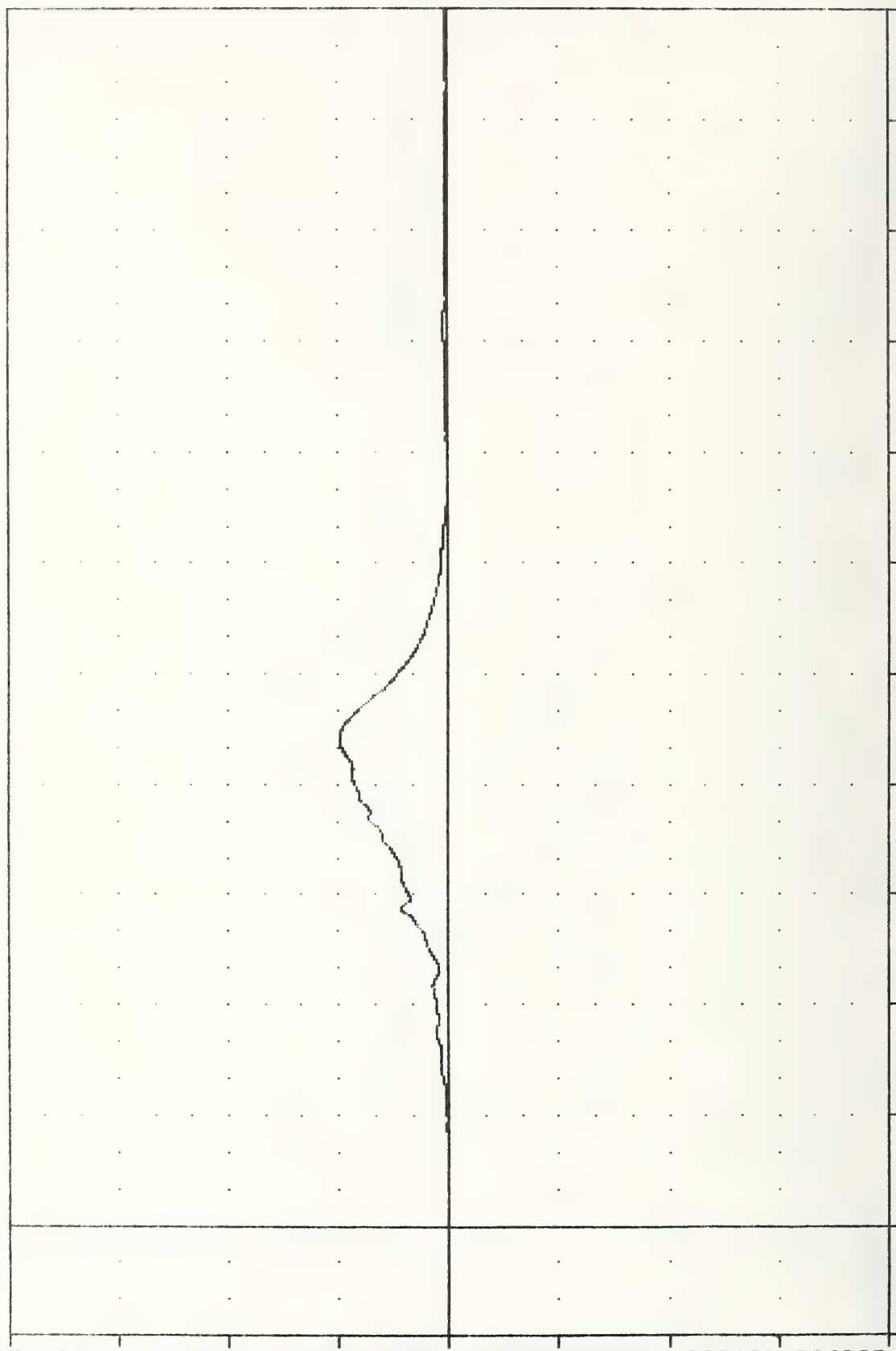
VATC , R0384-4-32
BREED AIRBAG SLED PROGRAM
85135
PEVRE1

PLOT DATE 15-MAY-85 15:50:07

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.052 14.13, 49.42 28.00

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

PLOT DATE 15-MAY-85 15:50:07

VRTO RD384-4-32

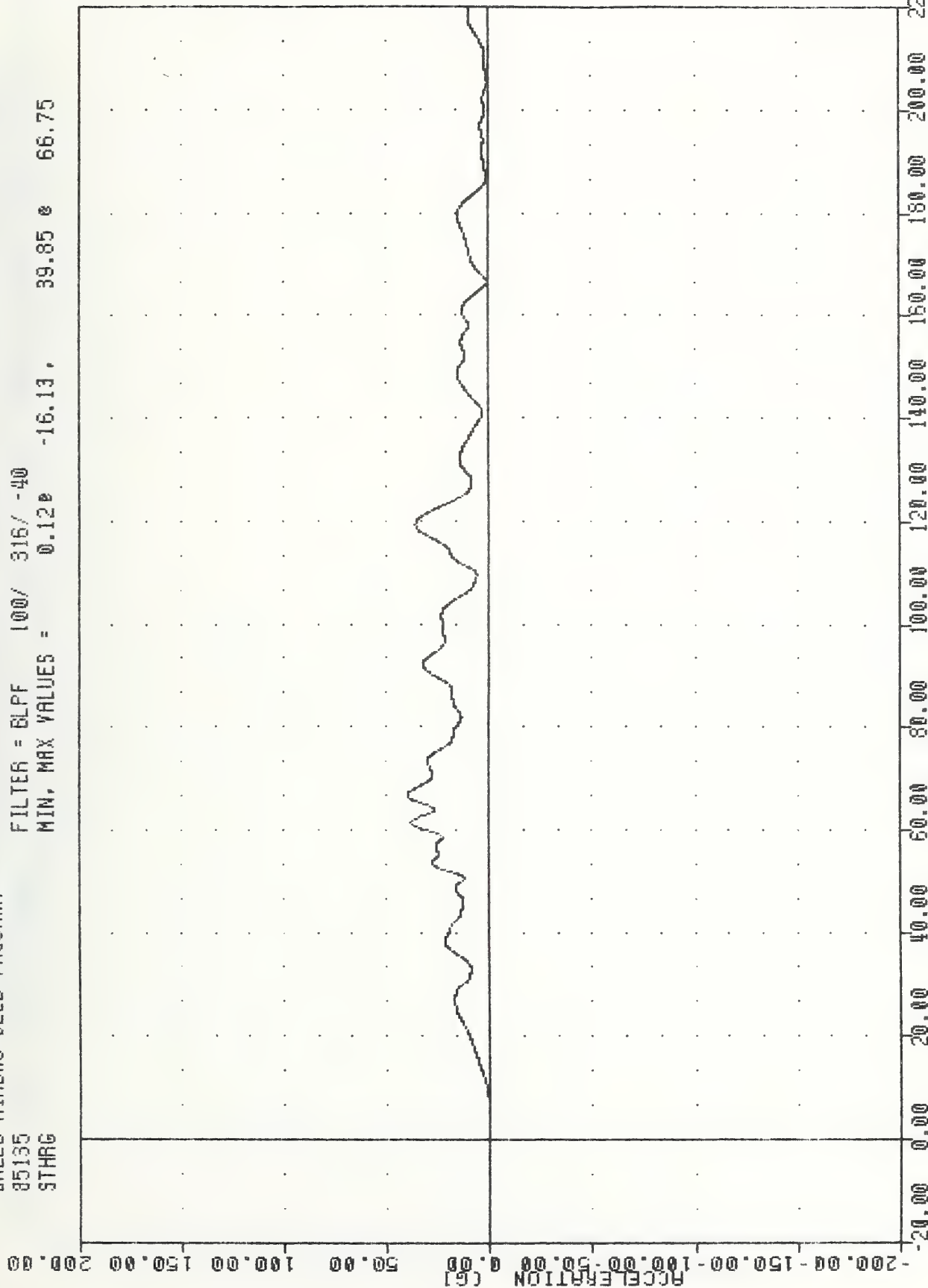
BREED AIRBAG SLED PROGRAM

85135

STHRG

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = 0.120 -16.13, 39.85 & 66.75



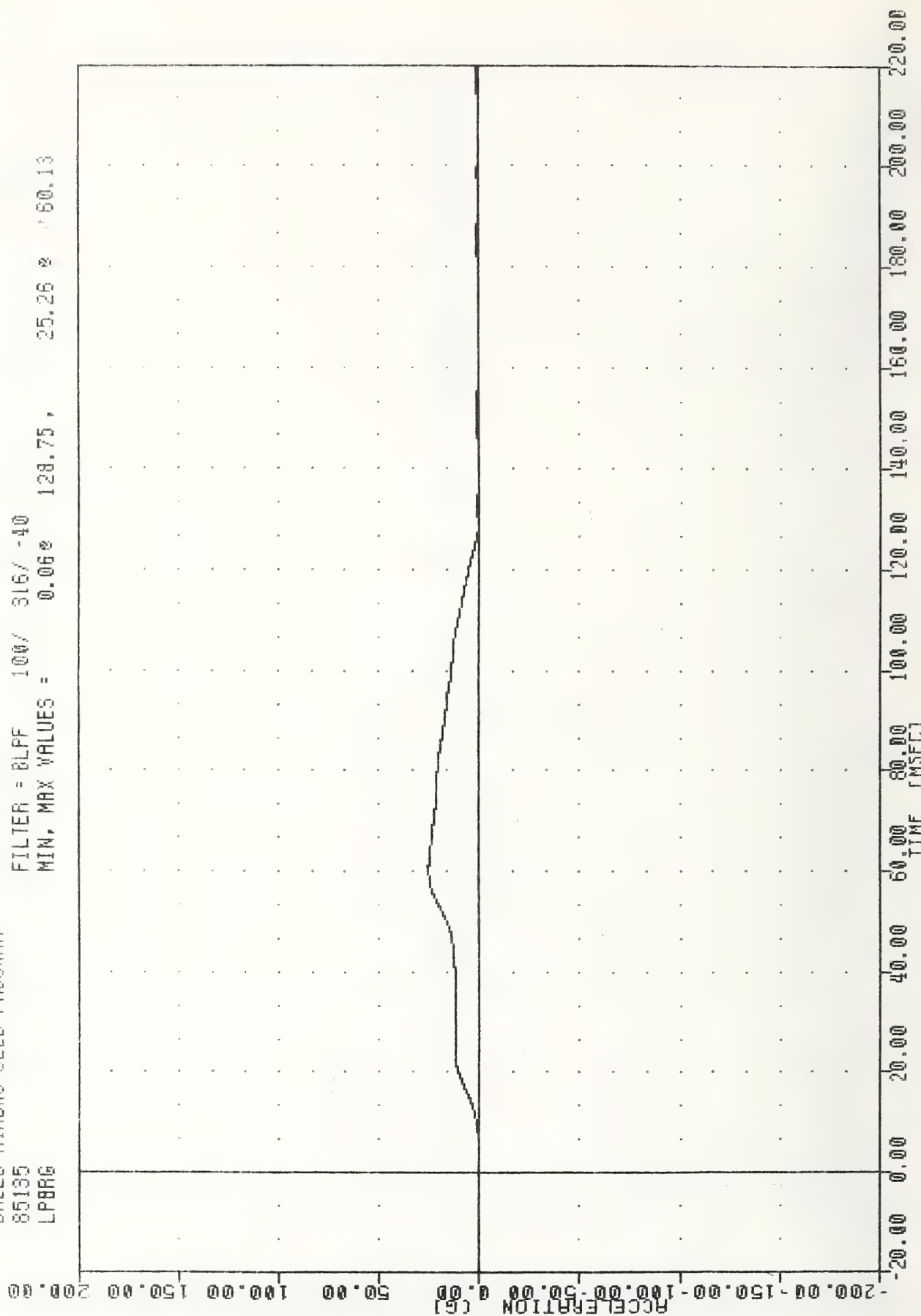
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

VRIC 80384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 LPBAG

PLOT DATE 15-MAY-85 15:50:07

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = 0.06% 128.75, 25.26% 80.13

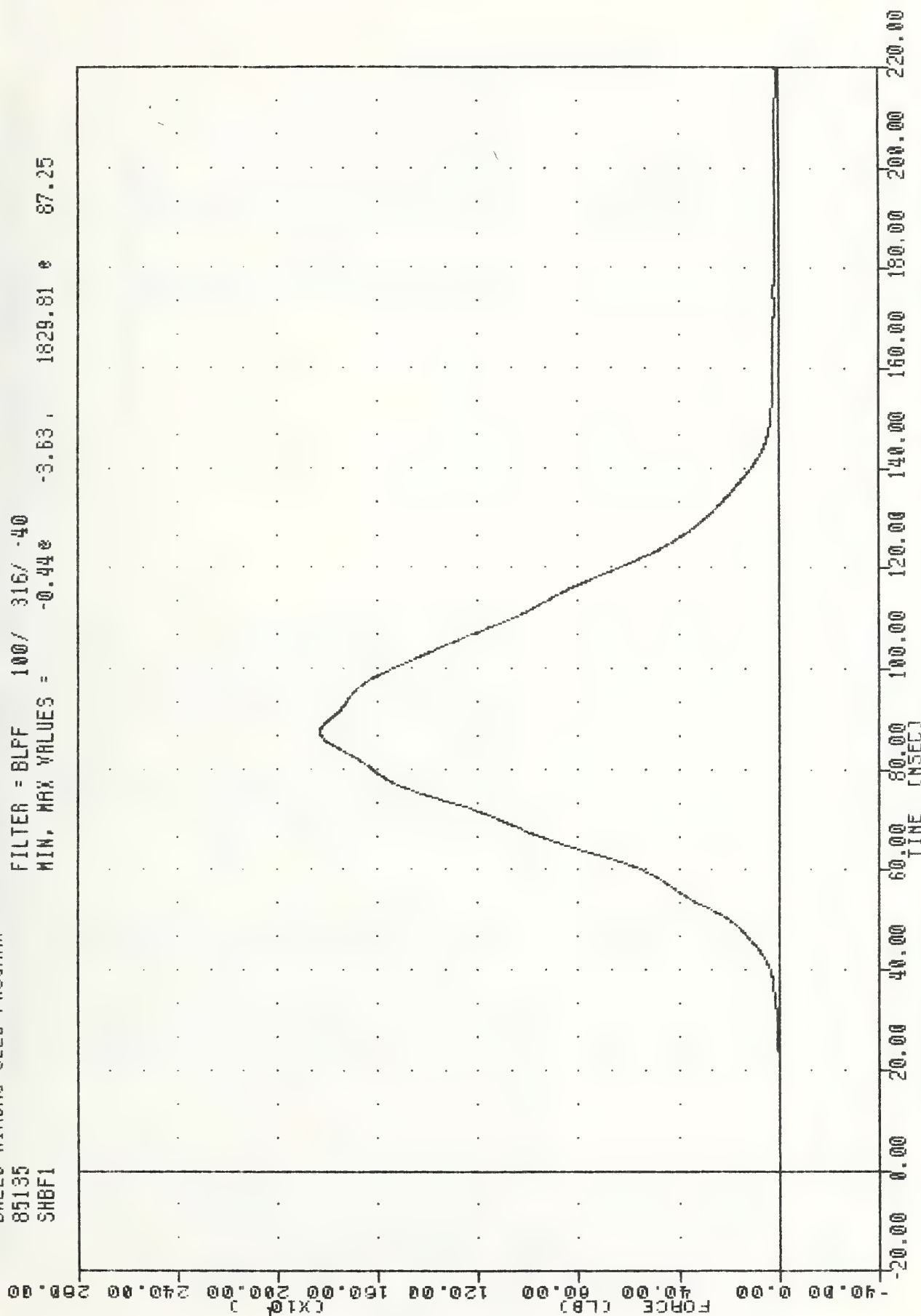


WATC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 SHBF1

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.44e -3.63, 1829.81 e 87.25

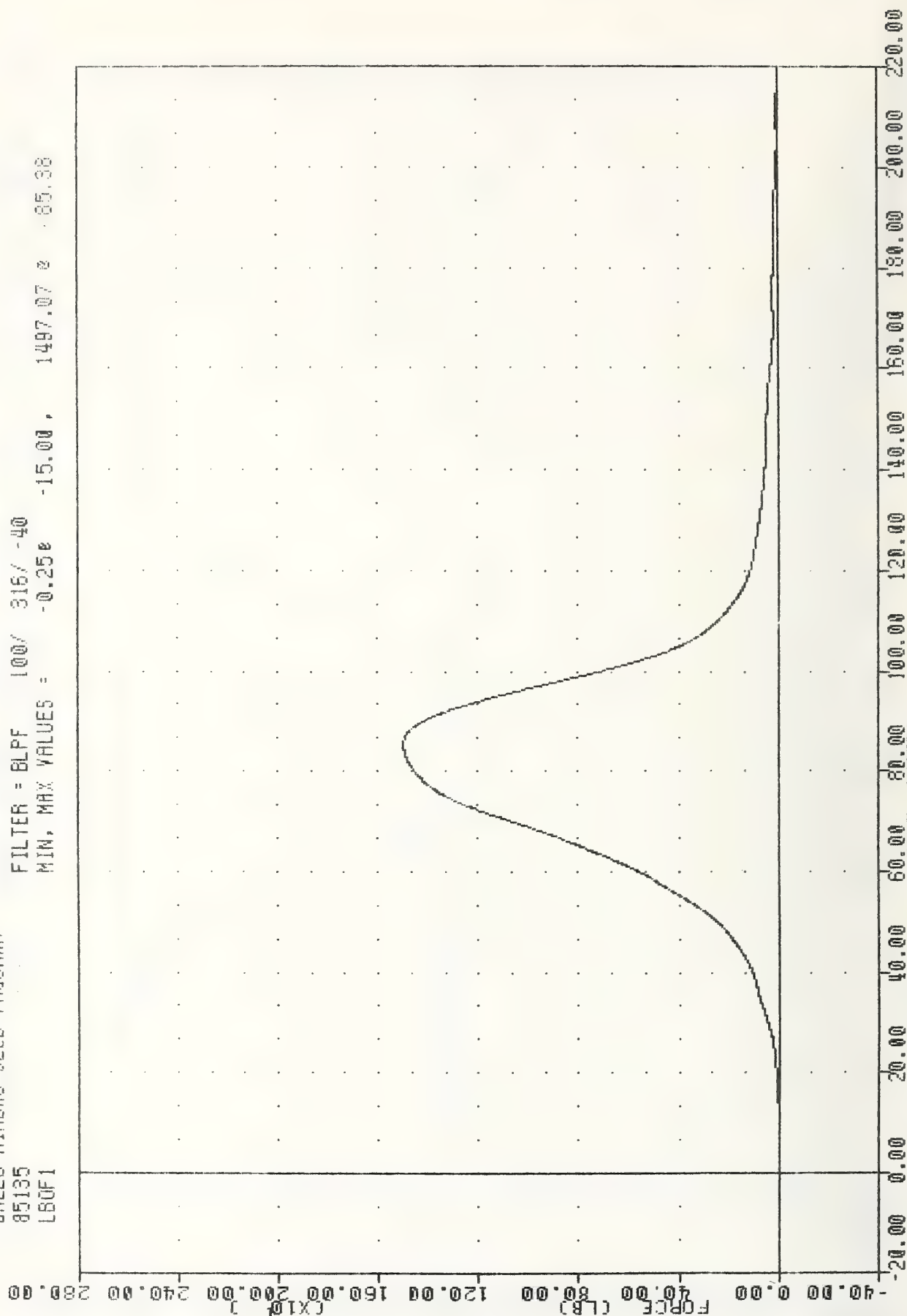


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER SHOULDER BELT FORCE LBS

VRTC , R0384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 L80F1

PLOT DATE 15-MAY-85 15:47:18

FILTER = BLPF 100/ 315/ -40
 MIN, MAX VALUES = -0.25e -15.00, 1497.07 e -85.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER LAP BELT FORCE LBS

1	EVENT	Min value		Max value		Data Units		Filter	
1	SLDXV	0.073 @	41.125	1.635 @	-3.750 msec	volt		ALPF	1650/ 5214/ -40
2	SLDXG	-38.312 @	132.875	0.276 @	8.750 msec	mph		ALPF	100/ 316/ -40
3	SLDXG	-25.760 @	57.625	0.895 @	168.000 msec	g		BLPF	100/ 316/ -40
4	HEDXG1	-50.204 @	86.250	2.190 @	35.375 msec	g		ALPF	1650/ 5214/ -40
5	HEDYV1	-3.439 @	60.500	3.713 @	65.000 msec	g		ALPF	1650/ 5214/ -40
6	HEDZG1	-6.636 @	100.125	23.106 @	87.500 msec	g		ALPF	1650/ 5214/ -40
7	CSTXG1	-44.842 @	84.875	1.012 @	166.250 msec	g		BLPF	300/ 949/ -40
8	CSTYV1	-2.517 @	87.250	2.004 @	43.750 msec	g		BLPF	300/ 949/ -40
9	CSTZG1	-6.420 @	91.750	4.299 @	86.250 msec	g		BLPF	300/ 949/ -40
10	USTXG1	-119.142 @	54.875	99.280 @	44.875 msec	g		BLPF	300/ 949/ -40
11	LSTXG1	-90.170 @	51.250	64.743 @	46.625 msec	g		BLPF	300/ 949/ -40
12	PEVXG1	-54.467 @	86.125	1.313 @	136.000 msec	g		BLPF	300/ 949/ -40
13	PEVYG1	-2.726 @	59.625	2.506 @	93.250 msec	g		BLPF	300/ 949/ -40
14	PEVZG1	-25.547 @	88.375	1.655 @	179.250 msec	g		BLPF	300/ 949/ -40
15	LFMF1	-691.883 @	61.750	64.262 @	207.875 msec	lb		BLPF	1000/ 3162/ -40
16	RFMF1	-475.003 @	58.500	33.144 @	179.375 msec	lb		BLPF	1000/ 3162/ -40
17	STHPG	-107.195 @	115.375	43.823 @	92.500 msec	g		BLPF	100/ 316/ -40
18	STHLG	-10.648 @	75.625	13.304 @	111.250 msec	g		BLPF	100/ 316/ -40
19	STHIG	-23.580 @	95.000	33.850 @	67.375 msec	g		BLPF	100/ 316/ -40
20	LPBXG	-25.581 @	61.375	1.271 @	154.625 msec	g		BLPF	100/ 316/ -40
21	LPBYG	-1.935 @	84.750	2.239 @	34.750 msec	g		BLPF	100/ 316/ -40
22	LPBZG	-0.863 @	119.250	1.336 @	92.250 msec	g		BLPF	100/ 316/ -40
23	LBDF1	-0.059 @	-20.000	1349.405 @	89.000 msec	lb		BLPF	100/ 316/ -40
24	ABTP	-1.946 @	44.500	38.674 @	32.125 msec	psig		ALPF	1650/ 5214/ -40
25	ABT1	-3.530 @	131.625	0.007 @	2.000 msec	volt		ALPF	1650/ 5214/ -40
26	ABT2	-9.247 @	25.750	5.423 @	190.000 msec	volt		ALPF	1650/ 5214/ -40
27	ABT3	-0.086 @	2.125	2.309 @	216.750 msec	volt		ALPF	1650/ 5214/ -40
28	ABT4	-2.589 @	36.750	2.181 @	53.125 msec	volt		ALPF	1650/ 5214/ -40

1	EVENT	Min value		Max value		Data Units		Filter	
1	HEDXV1	-42.499 @	213.875	0.086 @	47.500 msec	mph		BLPF	300/ 949/ -40
2	HEDXD1	-60.158 @	220.000	-0.094 @	-20.000 msec	in		BLPF	300/ 949/ -40
3	CSTXV1	-41.197 @	220.000	-0.066 @	-8.500 msec	mph		BLPF	300/ 949/ -40
4	CSTXD1	-65.312 @	220.000	-0.039 @	-20.000 msec	in		BLPF	300/ 949/ -40
5	PEVXV1	-35.198 @	127.375	0.478 @	-0.625 msec	mph		BLPF	300/ 949/ -40
6	PEVXD1	-59.726 @	220.000	0.489 @	29.875 msec	in		BLPF	300/ 949/ -40
7	SLDXV1	-38.210 @	123.875	0.020 @	-17.625 msec	mph		BLPF	300/ 949/ -40
8	SLDXD	-71.262 @	220.000	0.013 @	-7.625 msec	in		BLPF	300/ 949/ -40
9	STHPV	-36.440 @	117.000	0.311 @	-13.625 msec	mph		BLPF	300/ 949/ -40
10	STHPD	-58.392 @	220.000	0.246 @	11.375 msec	in		BLPF	300/ 949/ -40
11	LPBXV	-37.443 @	126.375	-0.071 @	-12.125 msec	mph		BLPF	300/ 949/ -40
12	LPBXD	-68.980 @	220.000	-0.046 @	-20.000 msec	in		BLPF	300/ 949/ -40

1	EVENT	Min value		Max value		Data Units		Filter	
1	HEDRG1	0.065 @	15.500	54.799 @	86.250 msec	g		ALPF	1650/ 5214/ -40
2	CSTRG1	0.025 @	4.750	44.871 @	84.750 msec	g		BLPF	300/ 949/ -40
3	PEVRG1	0.128 @	-16.625	58.131 @	86.375 msec	g		BLPF	300/ 949/ -40
4	STHRG	0.109 @	2.875	107.294 @	115.375 msec	g		BLPF	100/ 316/ -40
5	LPBRG	0.030 @	129.500	25.593 @	61.500 msec	g		BLPF	100/ 316/ -40

1	EVENT	Min value		Max value		Data Units		Filter	
1	HEDRG1	0.065 @	15.500	54.799 @	86.250 msec	g		ALPF	1650/ 5214/ -40
2	CSTRG1	0.025 @	4.750	44.871 @	84.750 msec	g		BLPF	300/ 949/ -40
3	PEVRG1	0.128 @	-16.625	58.131 @	86.375 msec	g		BLPF	300/ 949/ -40
4	STHRG	0.109 @	2.875	107.294 @	115.375 msec	g		BLPF	100/ 316/ -40
5	LPBRG	0.030 @	129.500	25.593 @	61.500 msec	g		BLPF	100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC440RP.RAD;1
VRTC RD384-4-33 BREED AIRBAG SLED PROGRAM
85136 35.00 mph

* * * HIC computation for HEDRG1 16-MAY-85 15:28
Using time range = 0.000 to 105.250 msec Peak accel = 54.80 @ 86.250
HIC = 319.37 Interval from 65.125 [682] to 94.375 [916]
HIC = 249.47 Interval from 76.000 [769] to 91.000 [889]

R SYSP:THREMS
*** Three ms clip program for chest resultant channel ***
THREMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC440RP

File TRC440RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-33 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC440RP.RAD;1 VRTC RD384-4-33
BREED AIRBAG SLED PROGRAM 35.0 mph 85136 16-MAY-85 15:34:05
Deltax: 0.125

3 MS CLIP PEAK: 43.98445

Please run LSTRAD on this channel for the full time
and save it to the project manager to double-check peak

Enter channel name -> ^Z

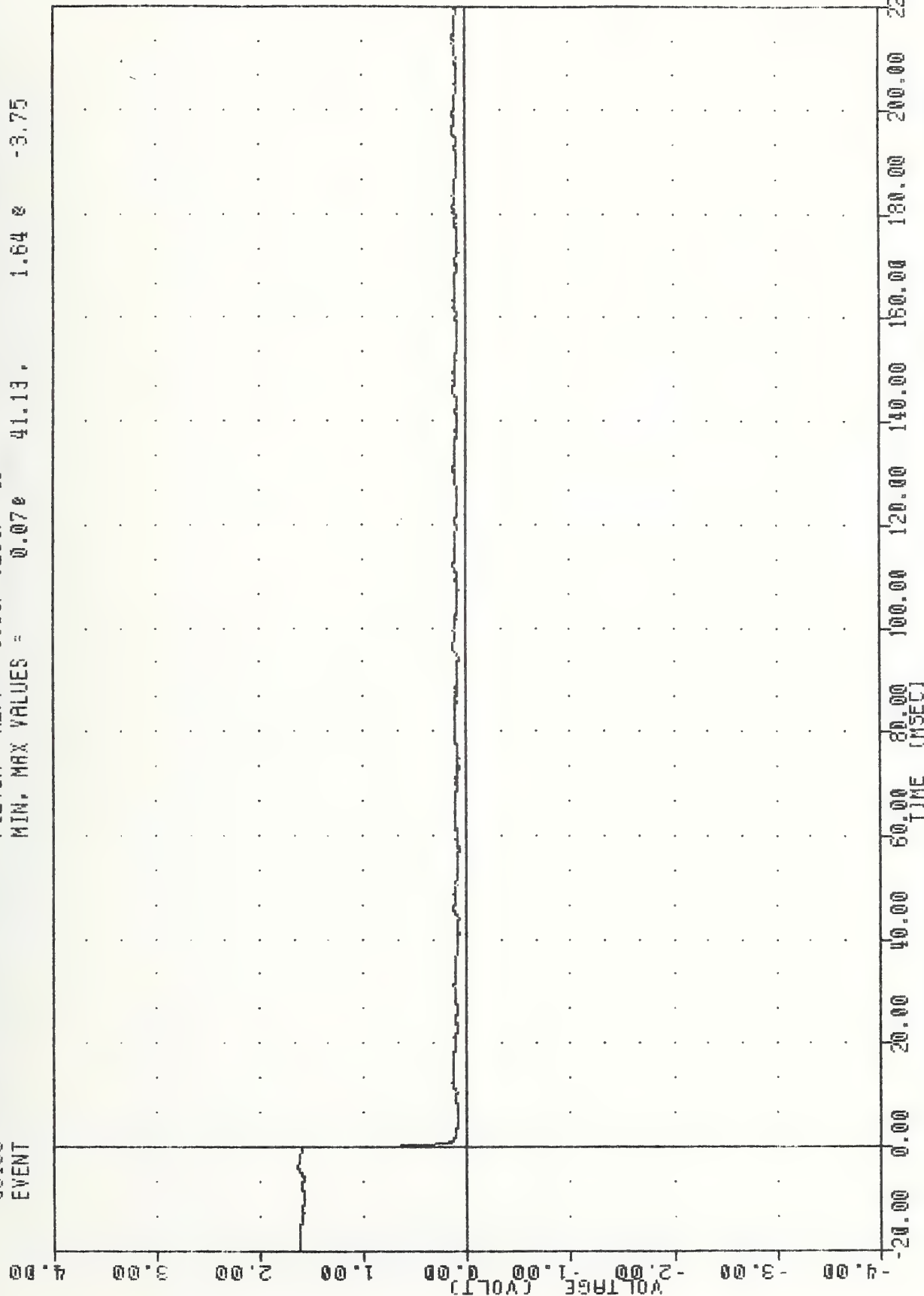
Enter input filespec -> ^Z
\$

WRTC , RD384-4-83
BREED AIRBAG SLED PROGRAM
85136
EVENT

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.07e 41.13. 1.64 e -3.75



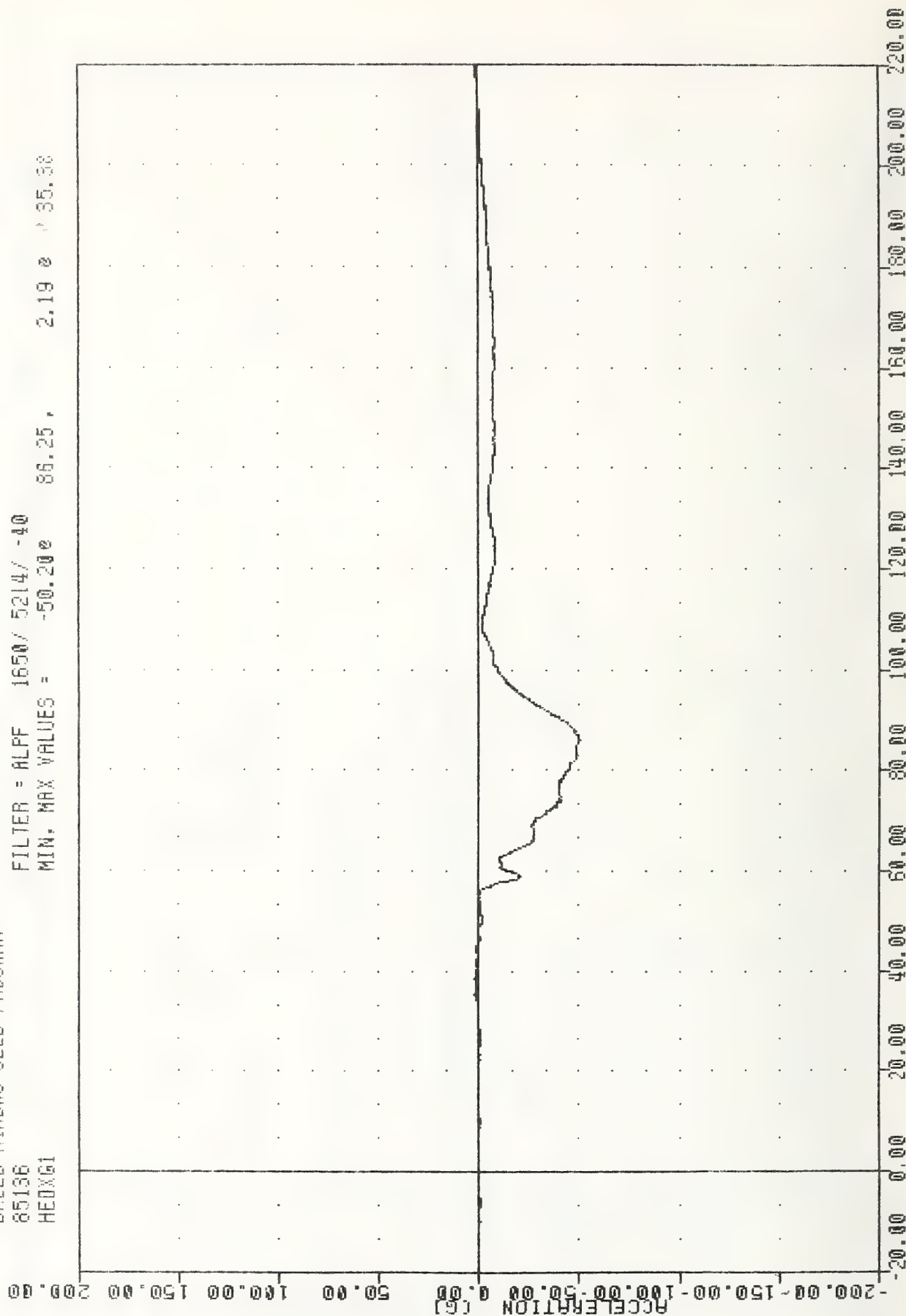
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
EVENT

VRTC , FD384-4-33
BREED AIRBAG SLED PROGRAM
85136
HE0XG1

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -50.200 86.25, 2.19 0 35.38



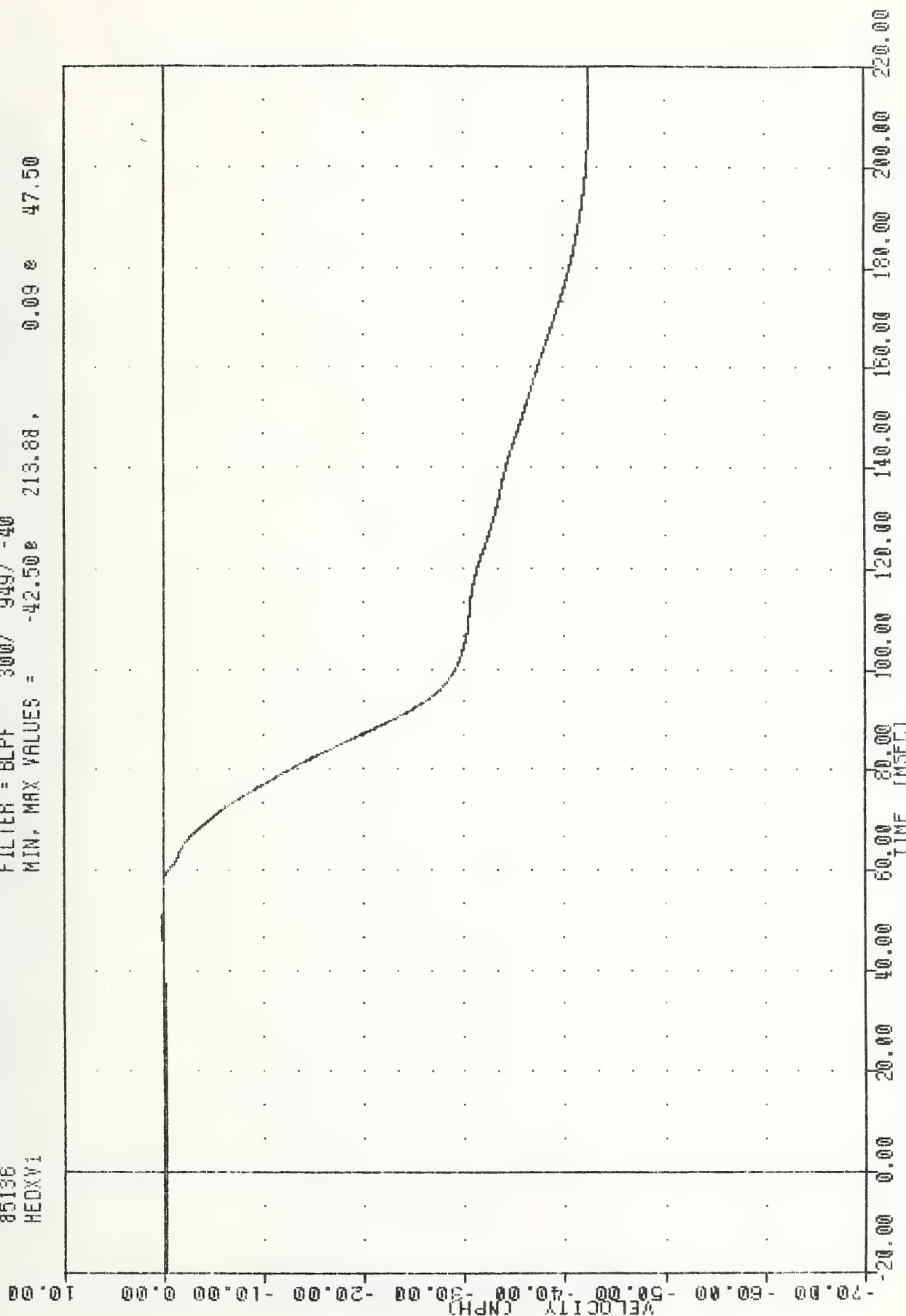
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC , RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 HEDXVI

PLOT DATE 16-MAY-85 16:13:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -42.50E 213.88, 0.09 E 47.50

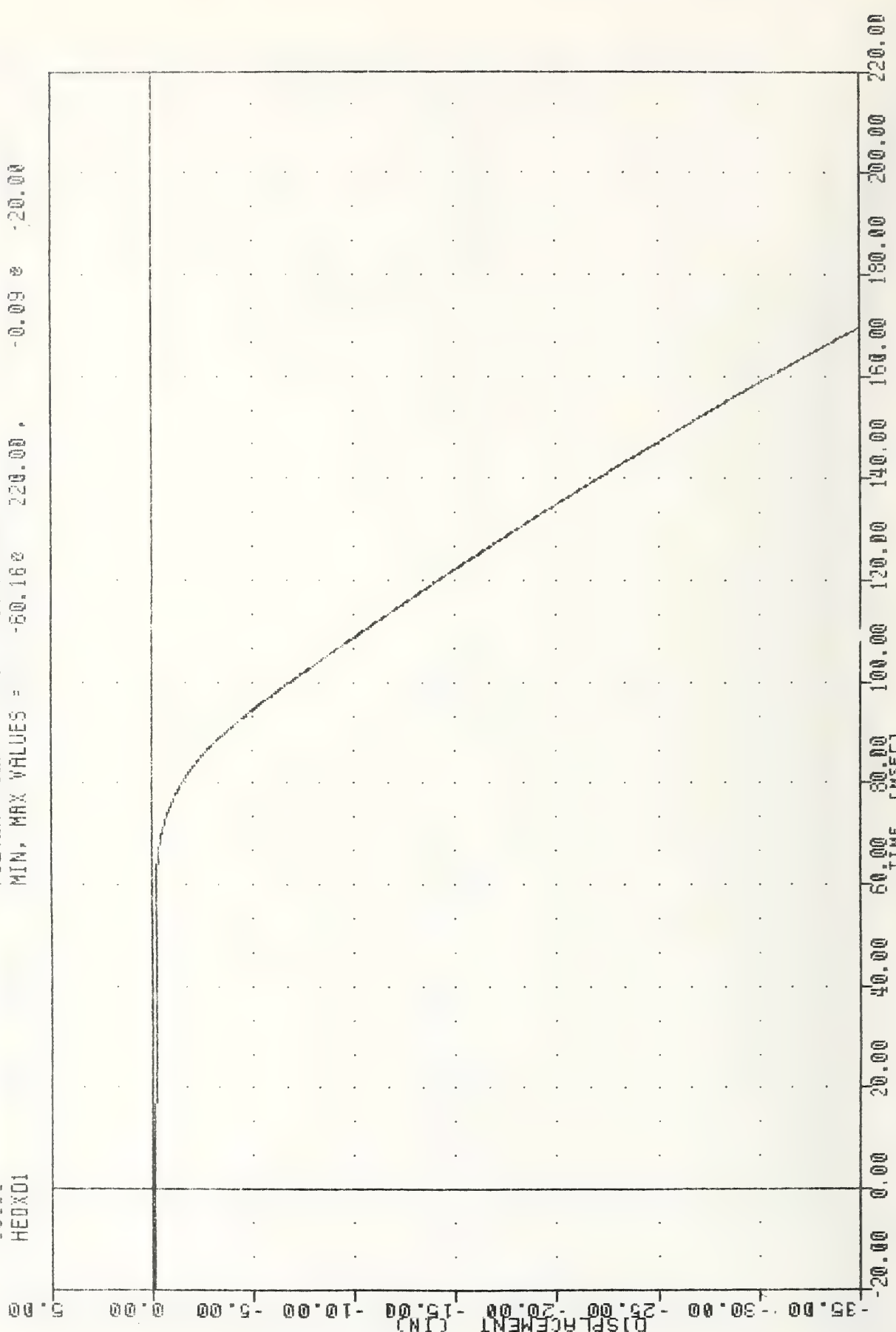


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

DELTA V USING HEDXG1

VRTC , RD384-4-33
 SREED AIRBAG SLED PROGRAM
 85136
 HEDX01

PLOT DATE 18-MAY-85 16:13:40
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -60.160 220.00, -0.09 20.00



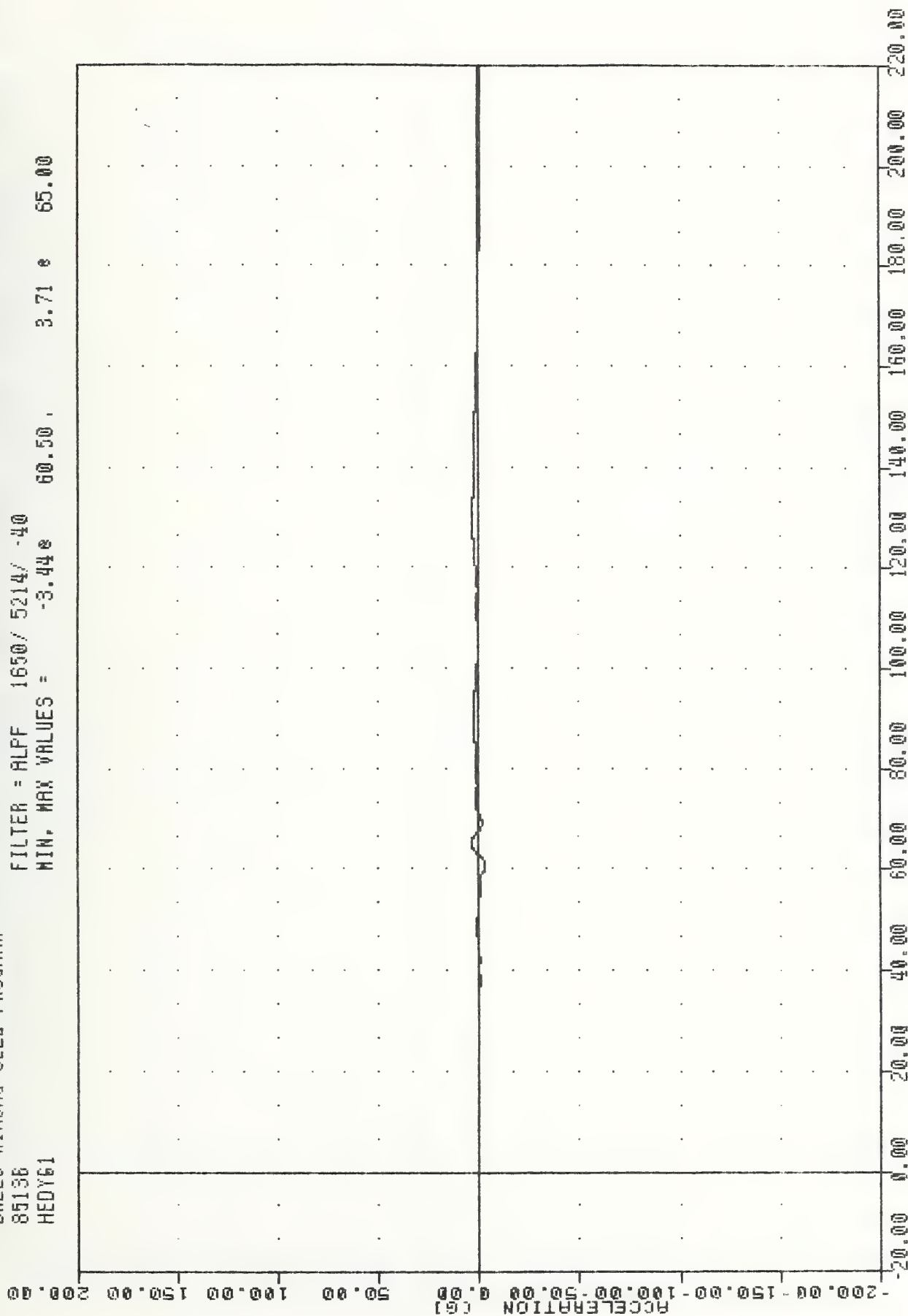
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING HEDXVI

VRTC , RD384-4-83
 BREED AIRBAG SLED PROGRAM
 85136
 HEDY61

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.44e 60.50 , 3.71 e 65.00



VSTC , R0384-4-33
BREED AIRBAG SLED PROGRAM
85136
HEADZ61

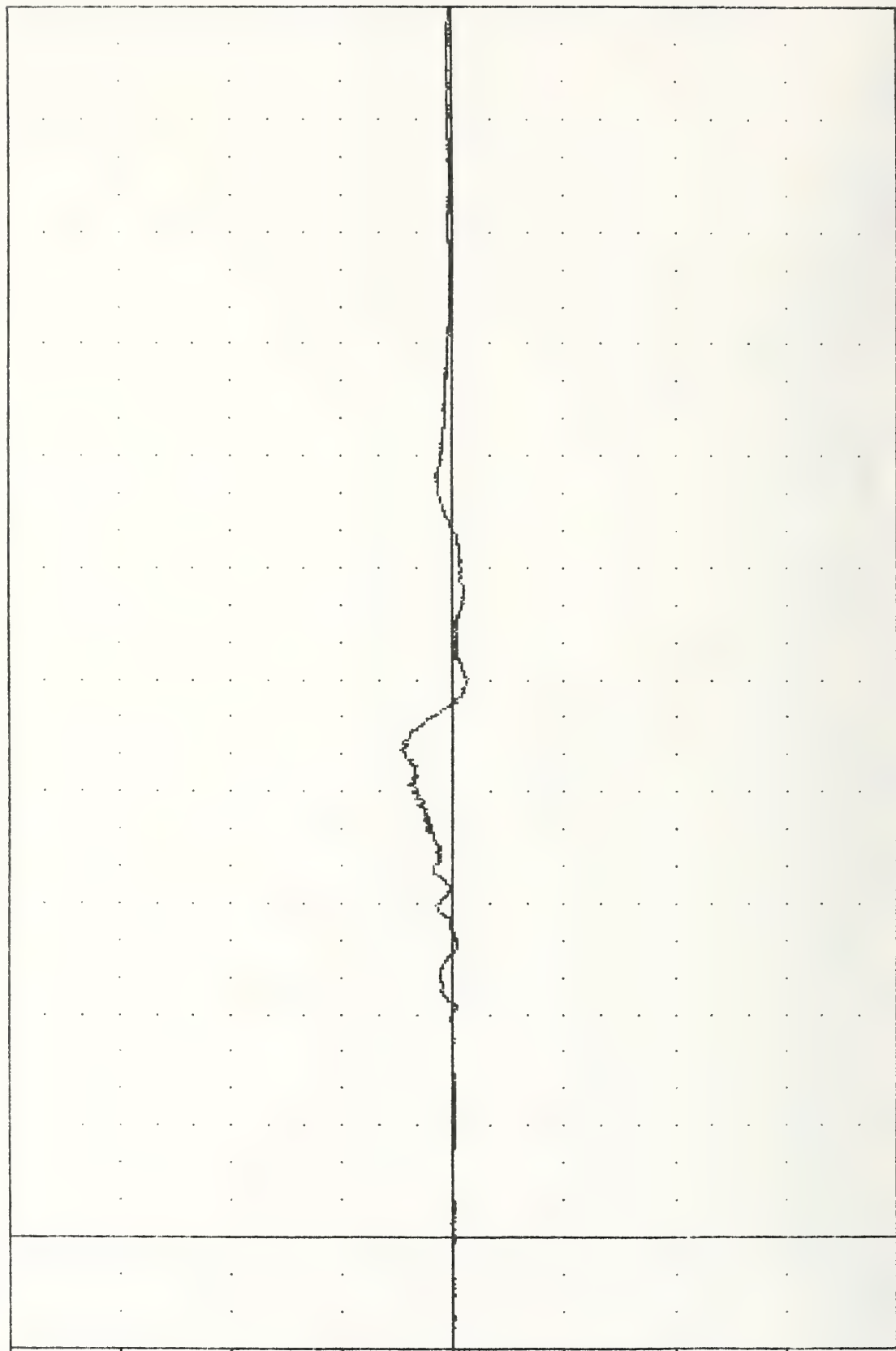
PLOT DATE 18-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -6.64E 100.13, 23.11 @ 87.50

ACCELERATION (G)

200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

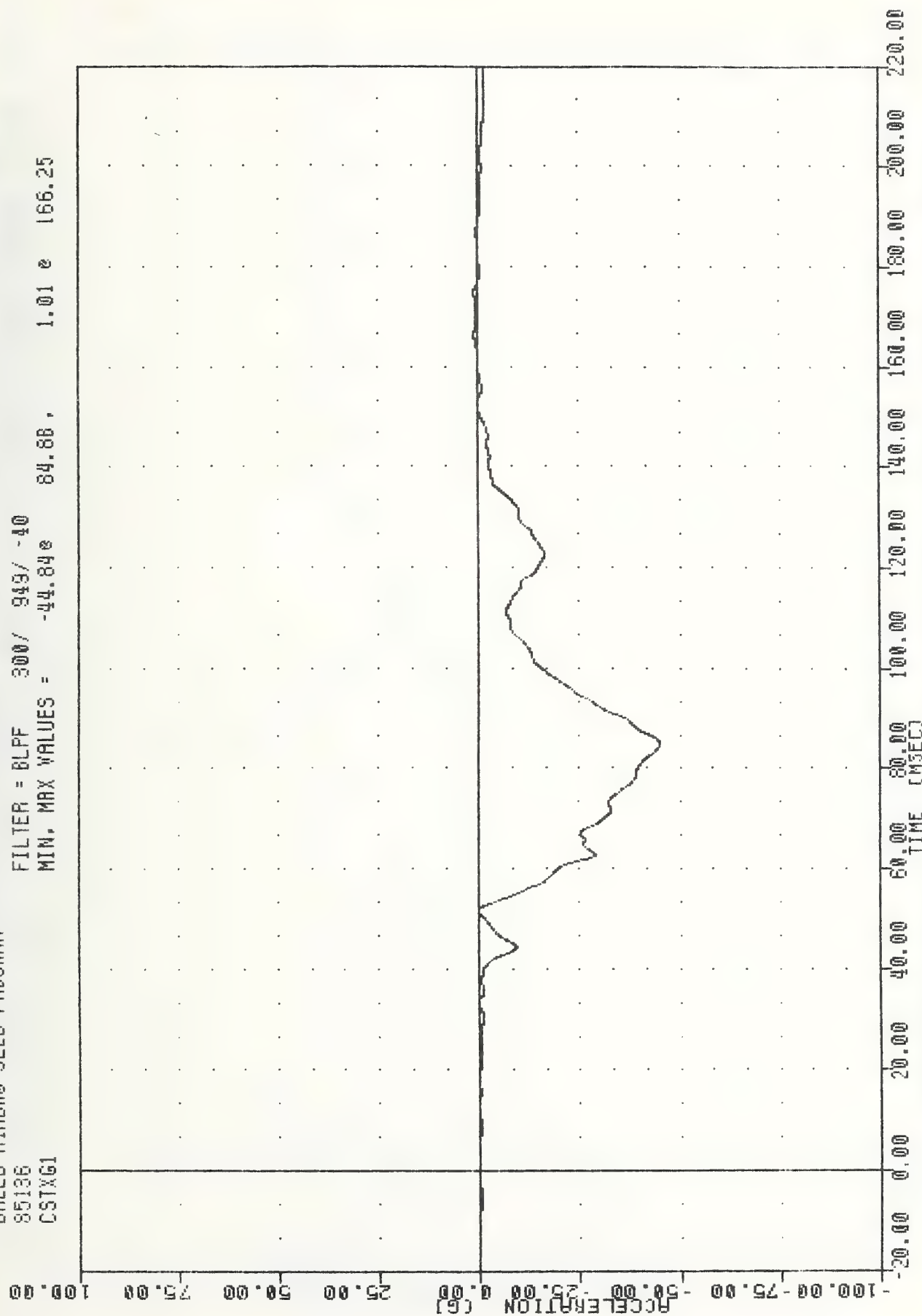
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC , R0324-4-83
BREED AIRBAG SLED PROGRAM
85136
CSTXG1

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -44.84g 84.88 , 1.01 e 166.25



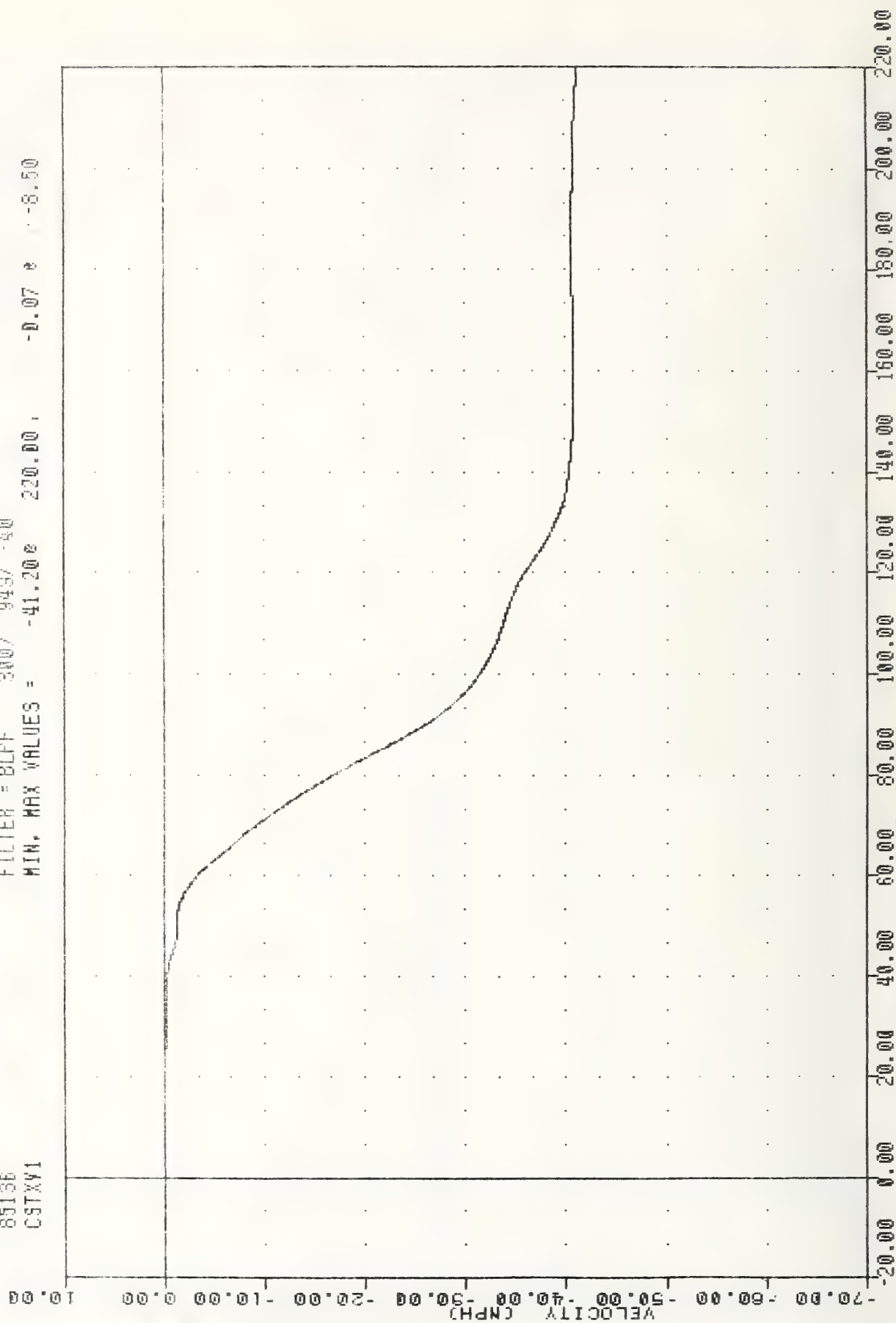
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

WRTC 20064-4-13
 BREED AIRBAG SLED PROGRAM
 85136
 CSTXV1

LOT DATE 10-MAY-00 14:11:34

FILTER = BLPF 300/ 949/ -50

MIN. MAX VALUES = -41.20 220.00 -0.07 8.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

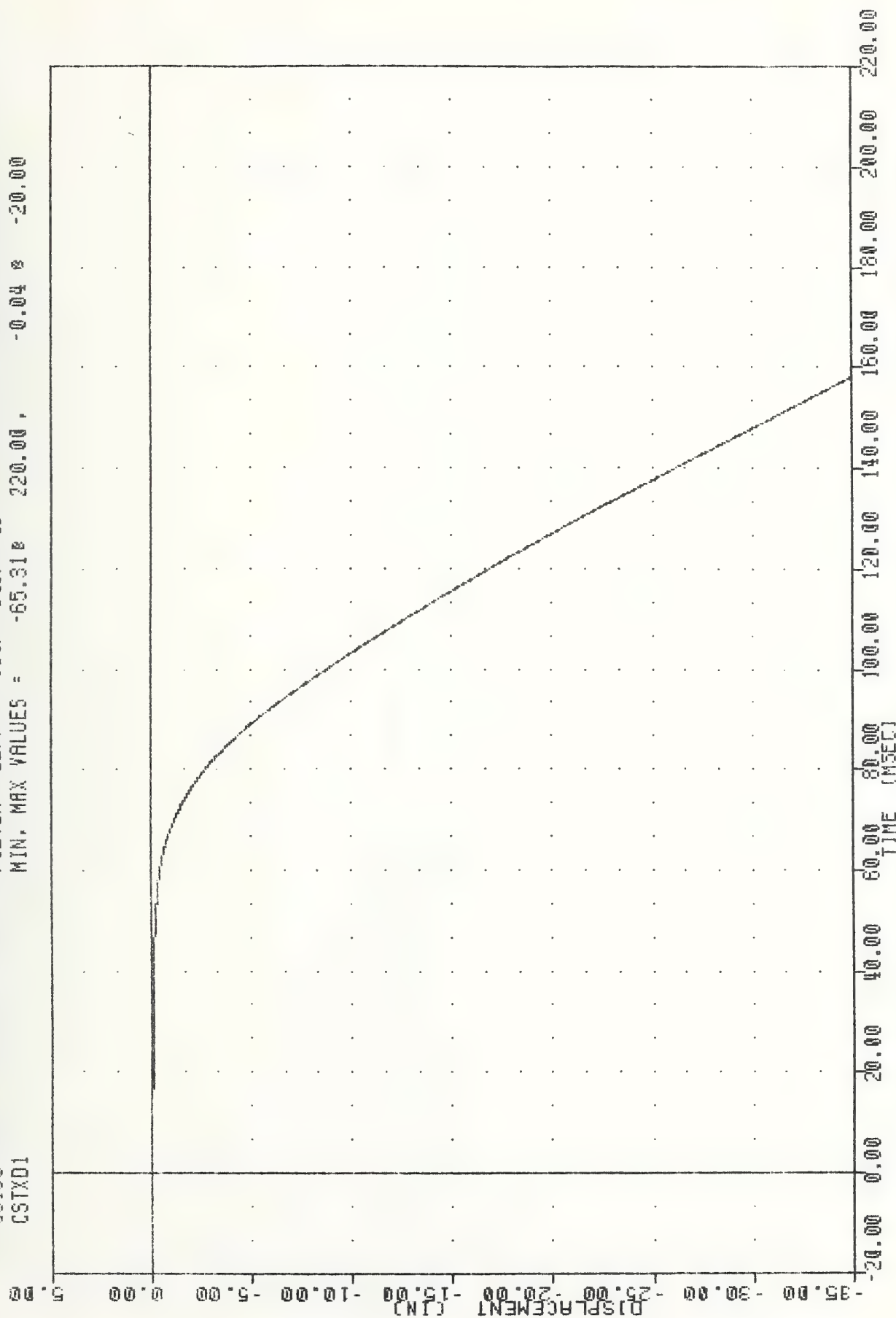
DELTA V USING CSTXG1

VRTC
 BREED AIRBAG SLED PROGRAM
 85136
 CSTXD1

PLOT DATE 16-MAY-85 16:13:40

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -65.31e 220.00, -0.04 e -20.00



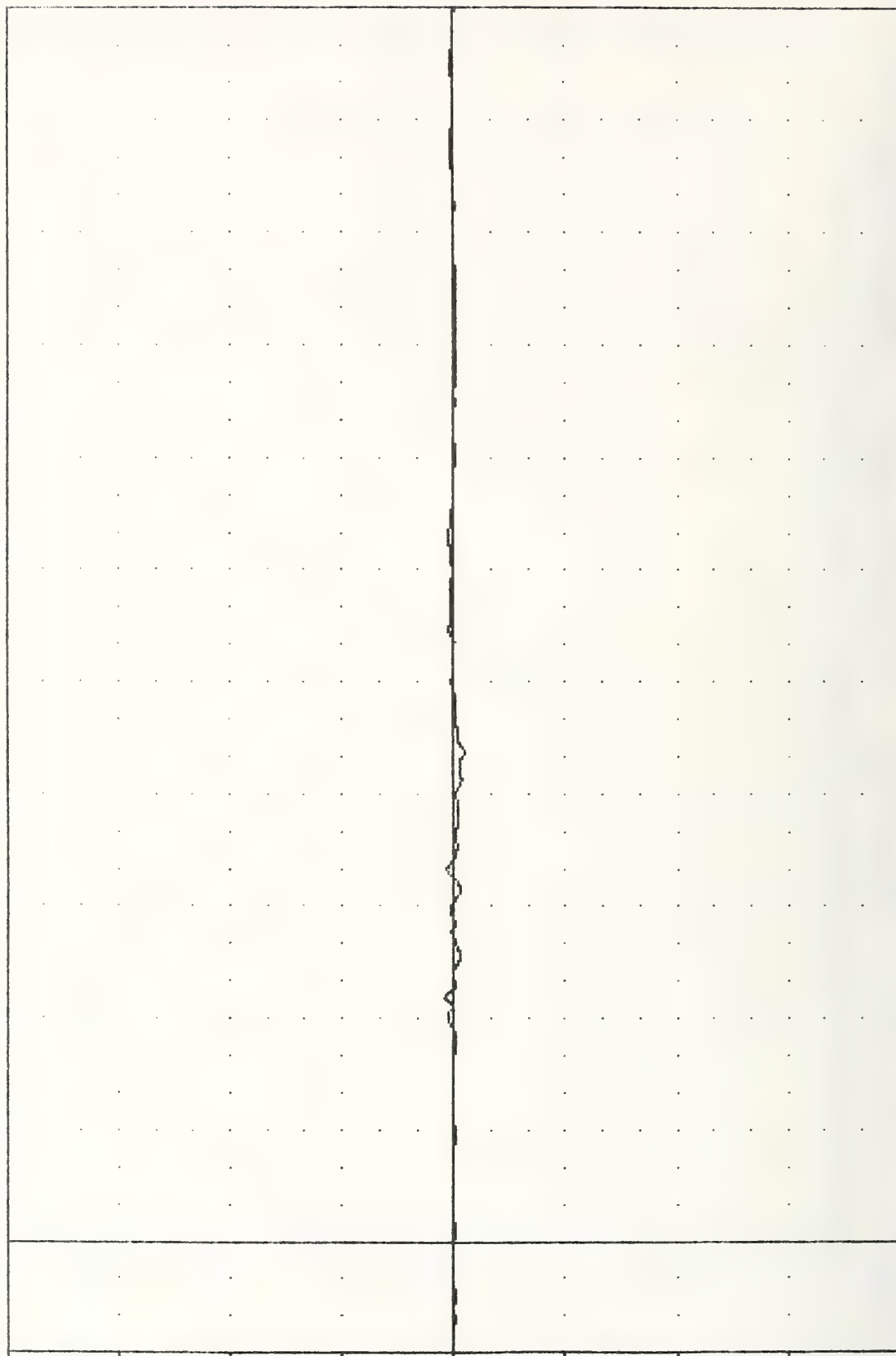
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING CSTXV1

VRTC , RD384-4-33
 BREED HIR384 SLED PROGRAM
 85136
 CSTY61

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -2.528 87.25 2.00 43.75

ACCELERATION (G)



20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

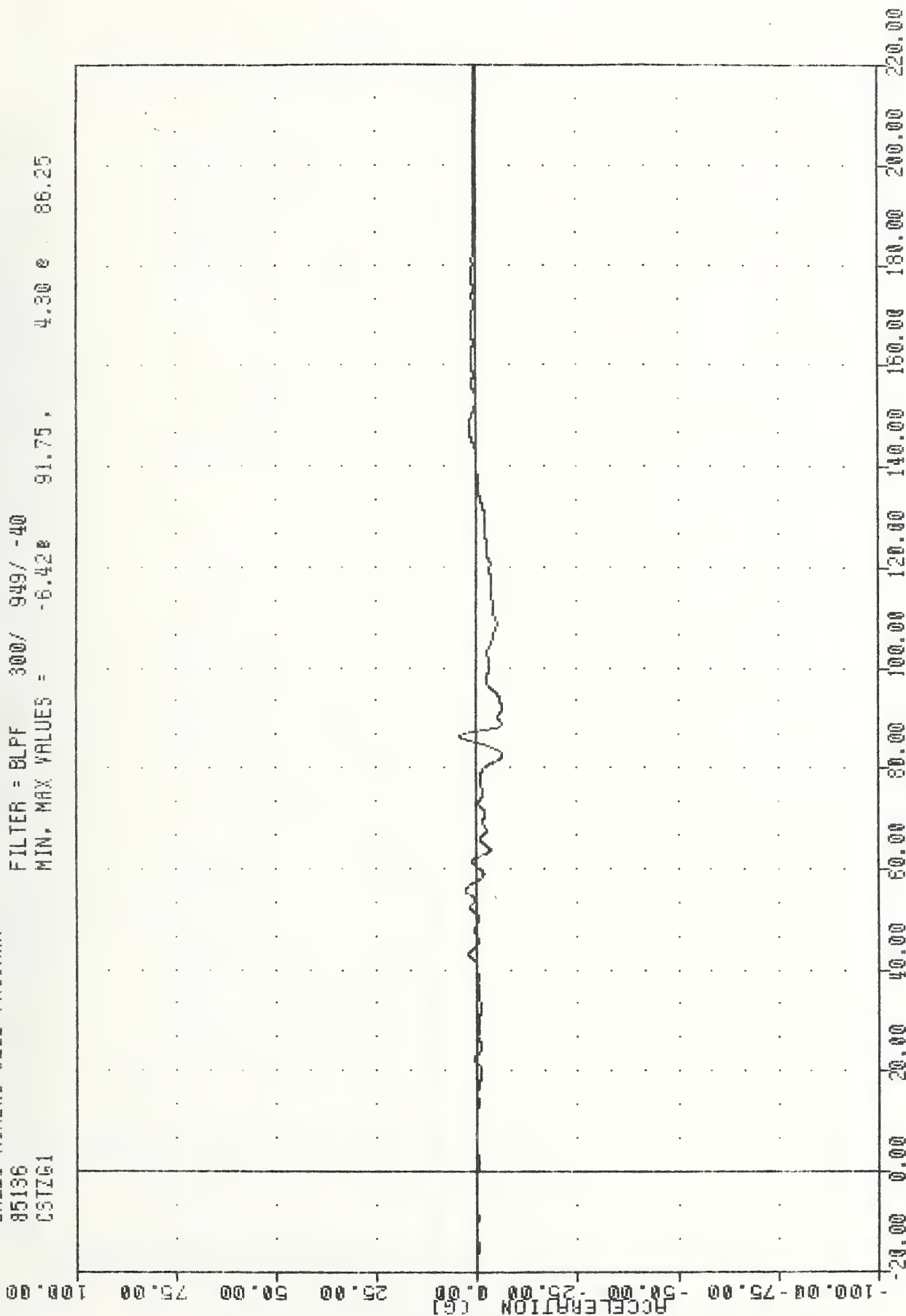
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

VRTC , R0384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 CSTZG1

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -6.420 91.75, 4.300 86.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

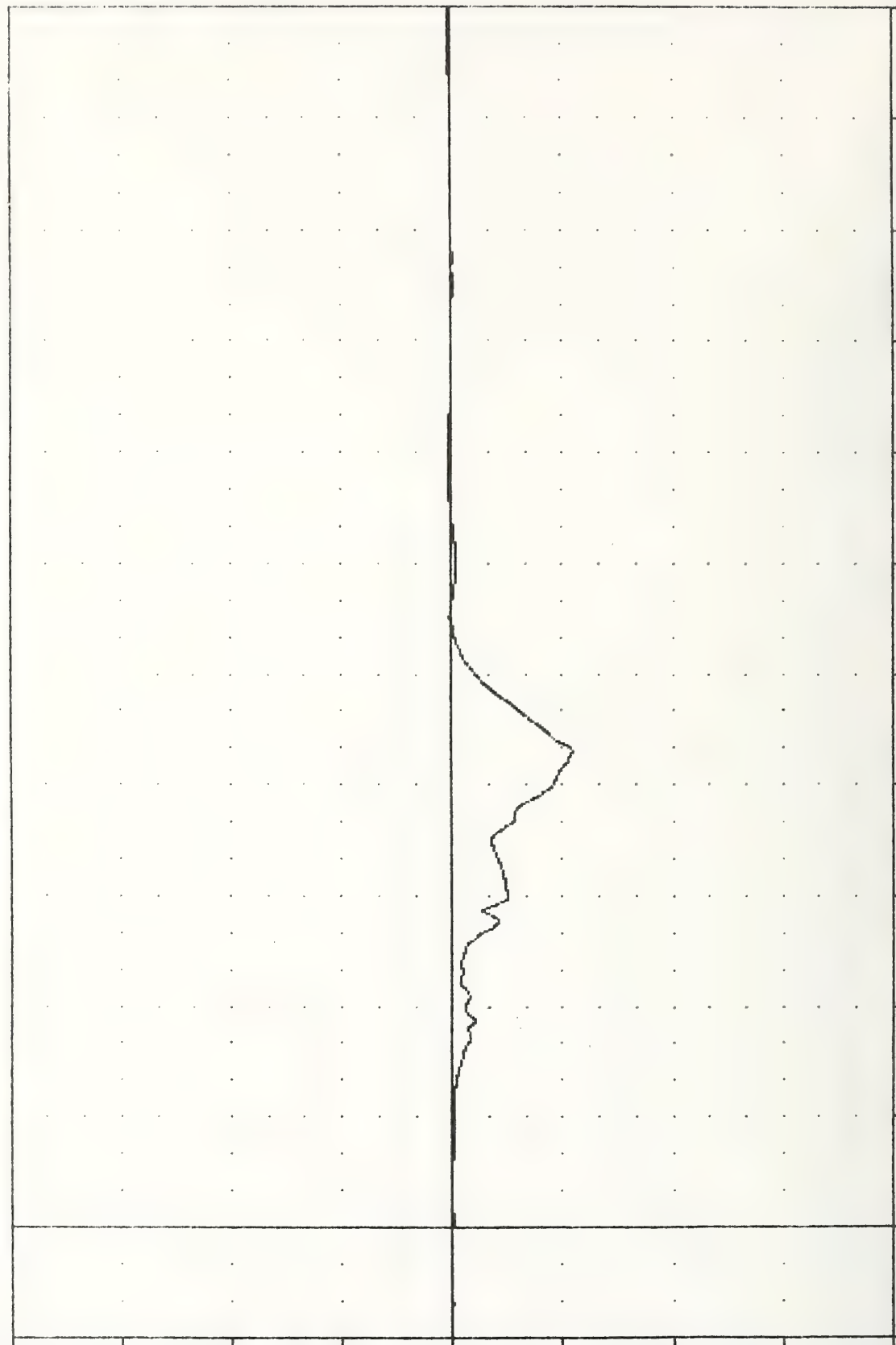
WRTC , R0384-4-33
 BREED AIRBAG SLED PROGRAM
 95136
 PEVXG1

PLOT DATE 16-MAY-85 16:11.57

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -54.47% 86.13% 1.31 g 136.00

ACCELERATION (G)



TIME (MSEC)

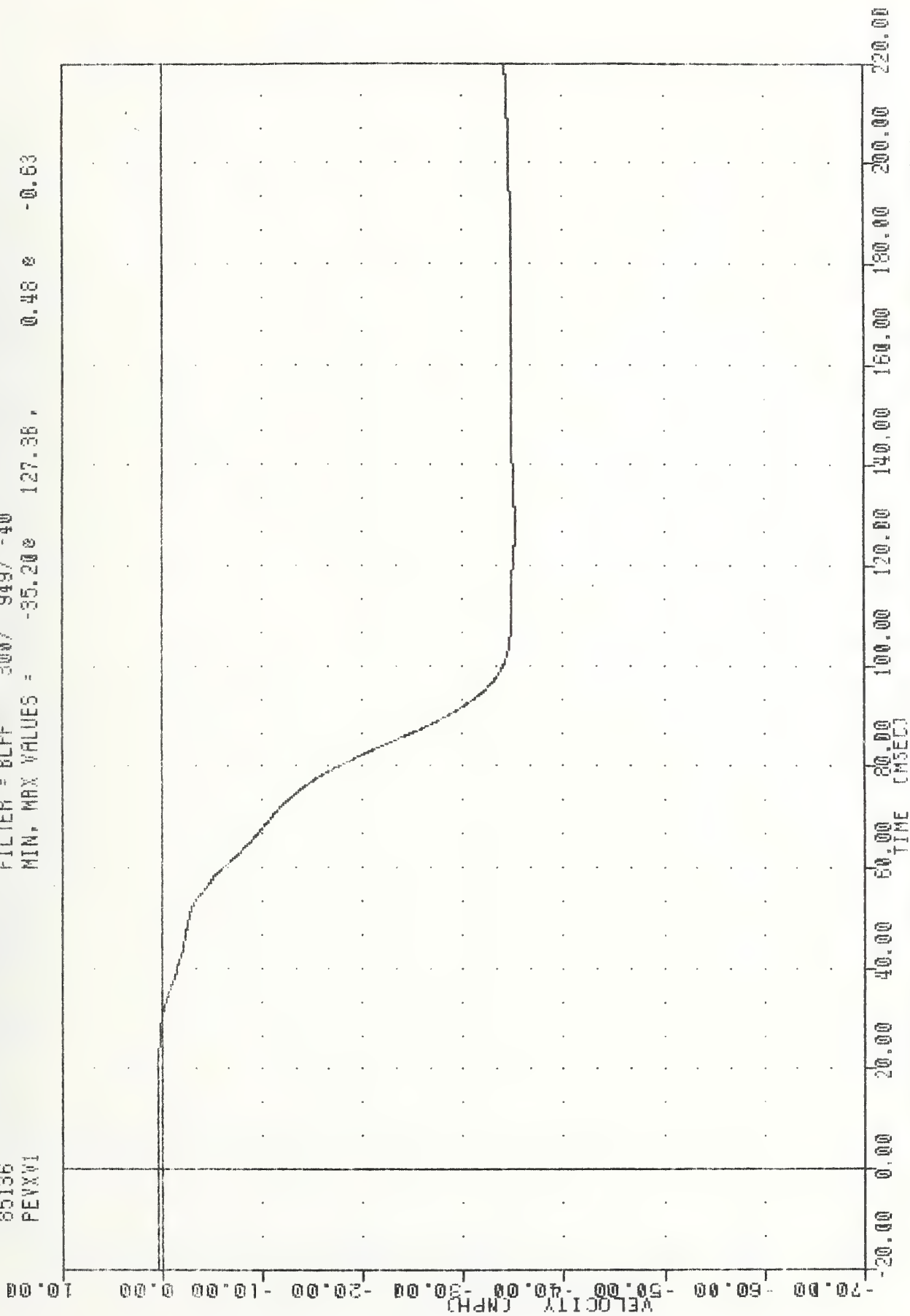
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION X AXIS

VRIC , R0304-4-33
BREED AIRBAG SLED PROGRAM
85136
PEXXV1

PLOT DATE 18-MAY-85 16:13:40

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -35.200 127.36 , 0.48 0 -0.63



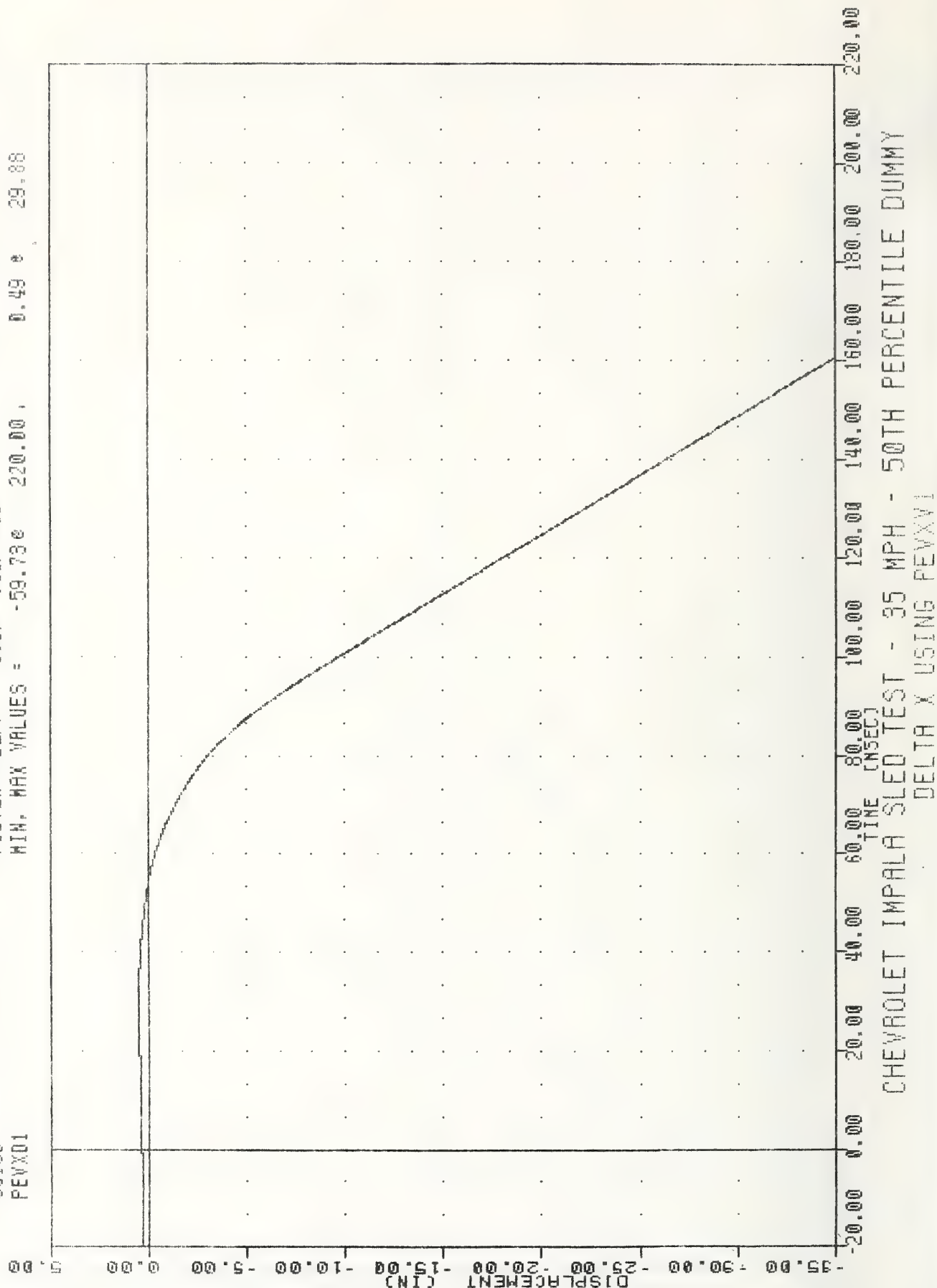
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEV201

VATC , RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 PEVX01

PLOT DATE 16-MAY-85 16:13:40

FILTER = BLPF 300/ 949/ -40

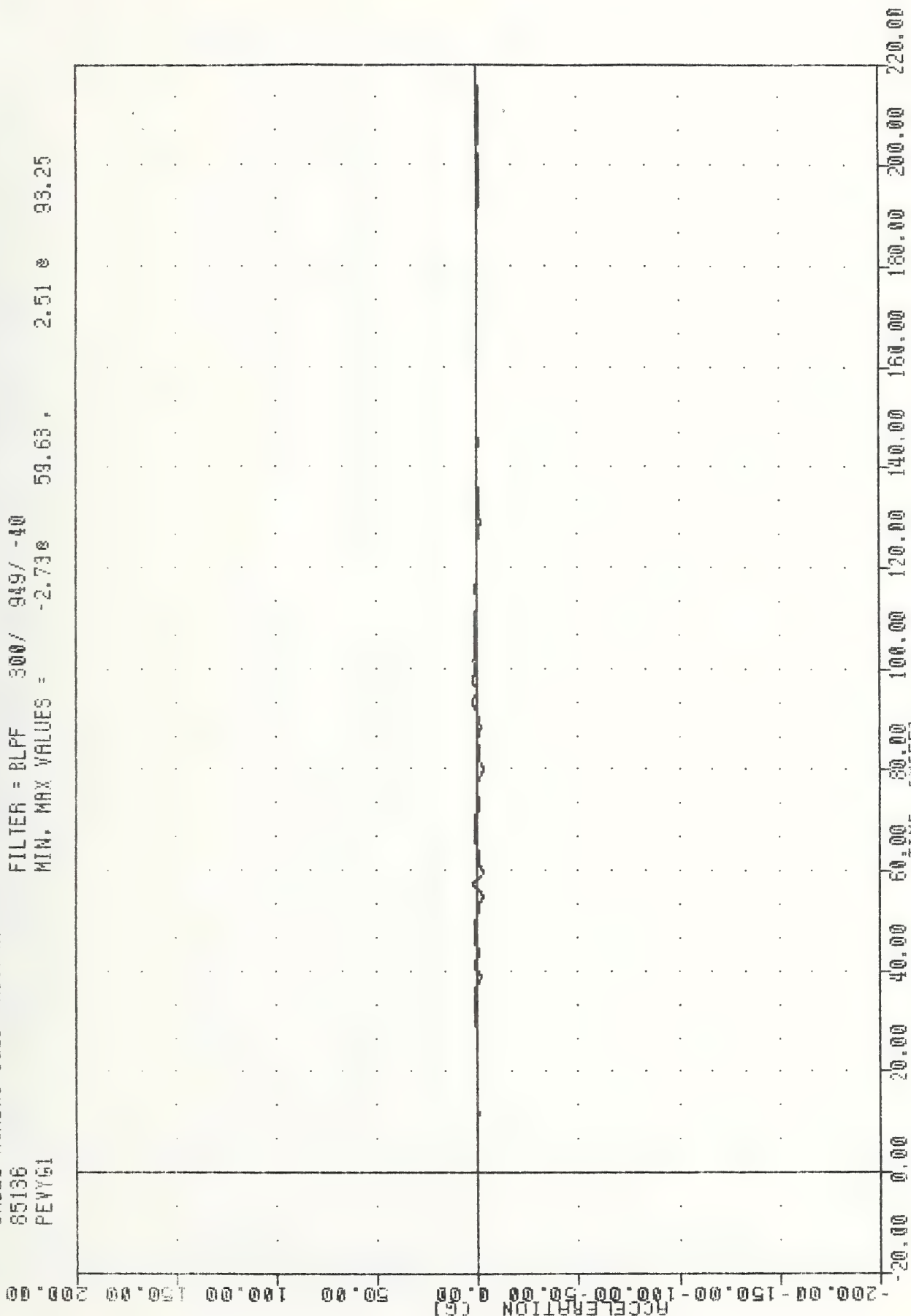
MIN. MAX VALUES = -59.730 220.00 , 0.49 * 29.88



VRTC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85136
PEVY61

PLOT DATE 16-MAY-85 16:11:57

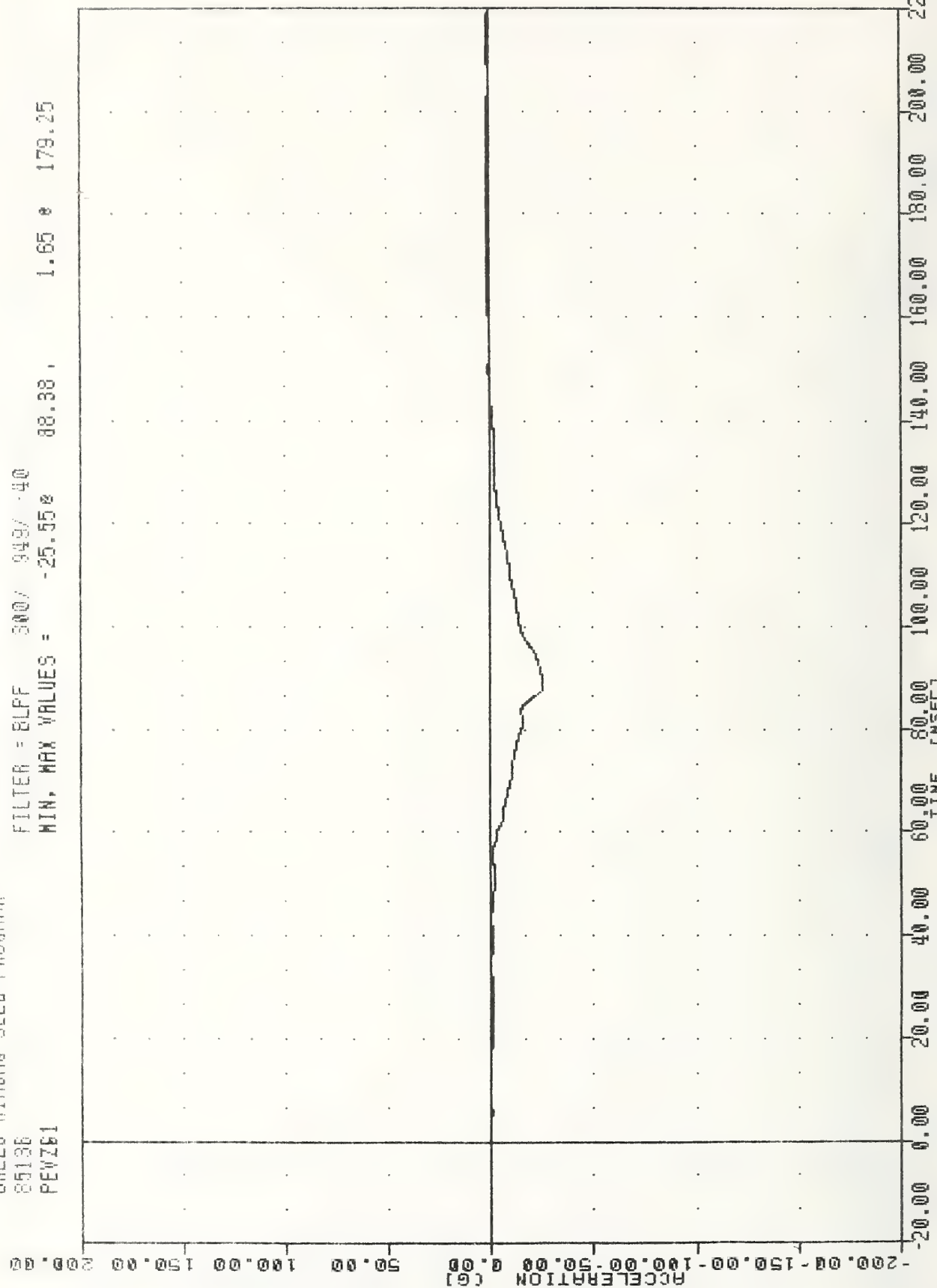
FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = -2.738 59.63 , 2.51 e 93.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VR1C RD384 4 33
 BREED AIRBAG SLED PROGRAM
 85136
 PEV761

PLUT DATE 16-MAY-83 16:11:57
 FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -25.55 88.38, 1.65 179.25



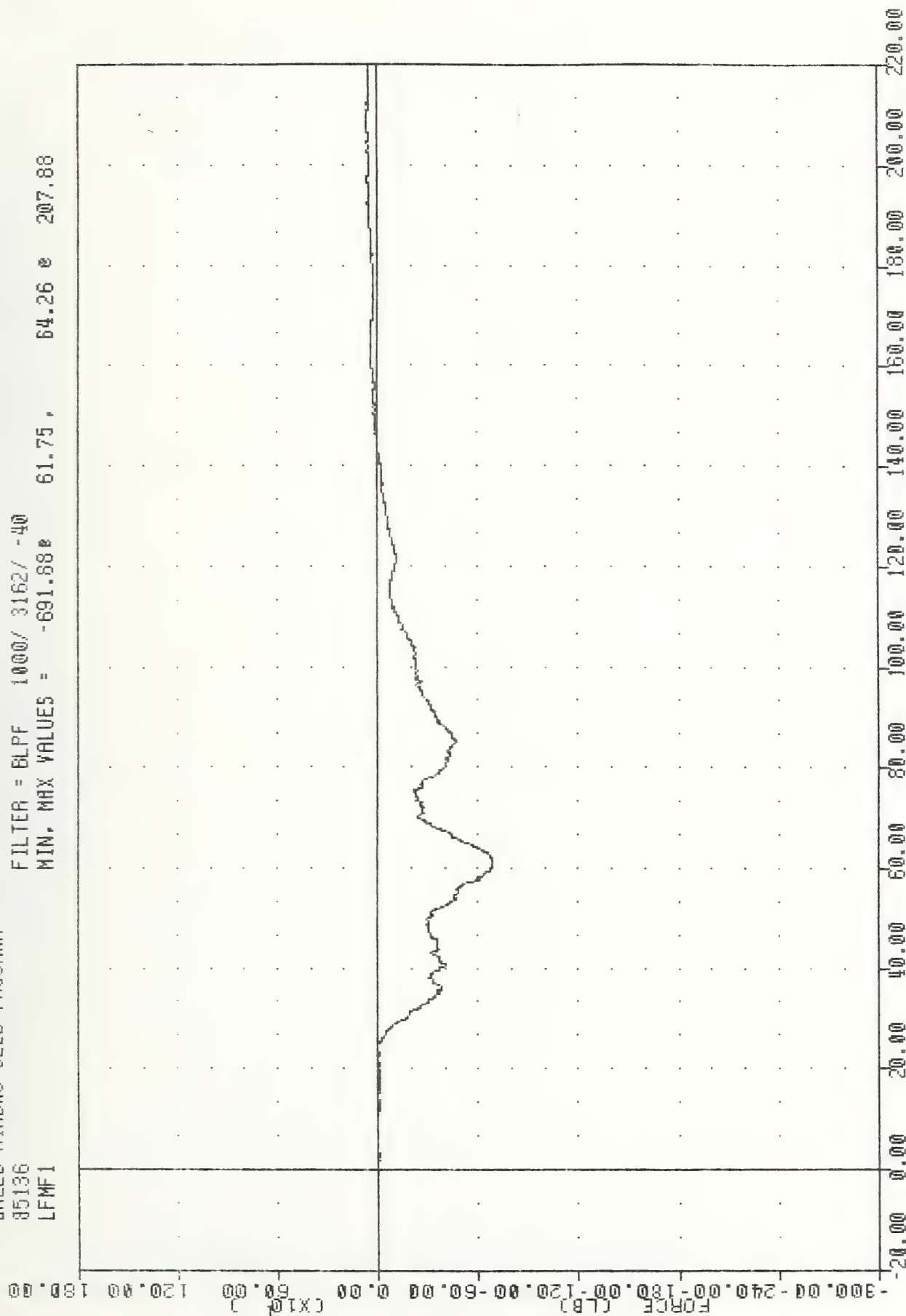
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

VBTG * R0304-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 LFMF1

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -691.88 61.75, 64.26 207.88

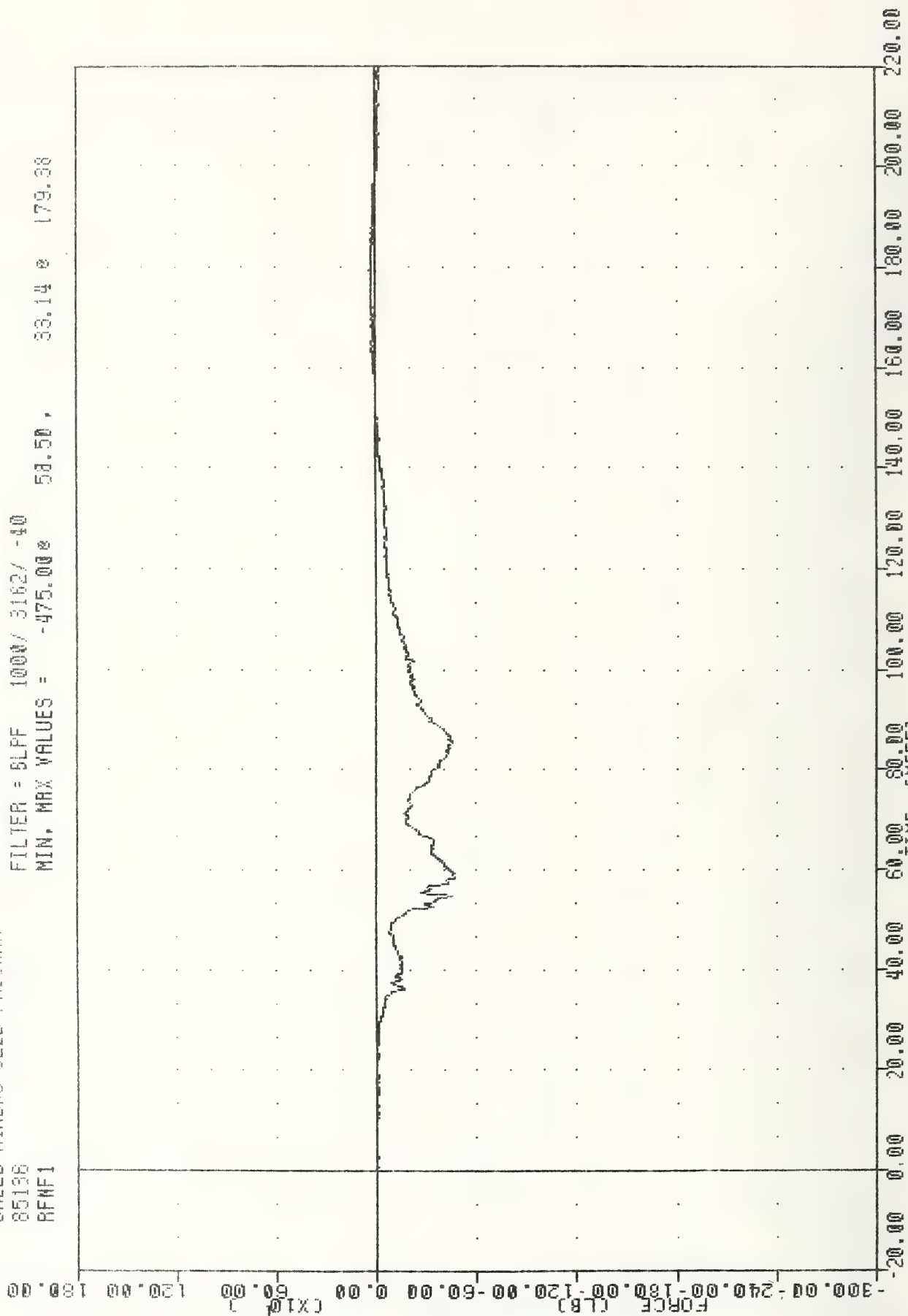


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER LEFT FEMUR FORCE

V87C
 BREED AIRBAG SLED PROGRAM
 85136
 RFNF1

PLOT DATE 10-MAY-85 16:11:57

FILTER = 5LFF 1000/ 3162/ -40
 MIN. MAX VALUES = -475.00* 58.50 , 33.14 * 179.38



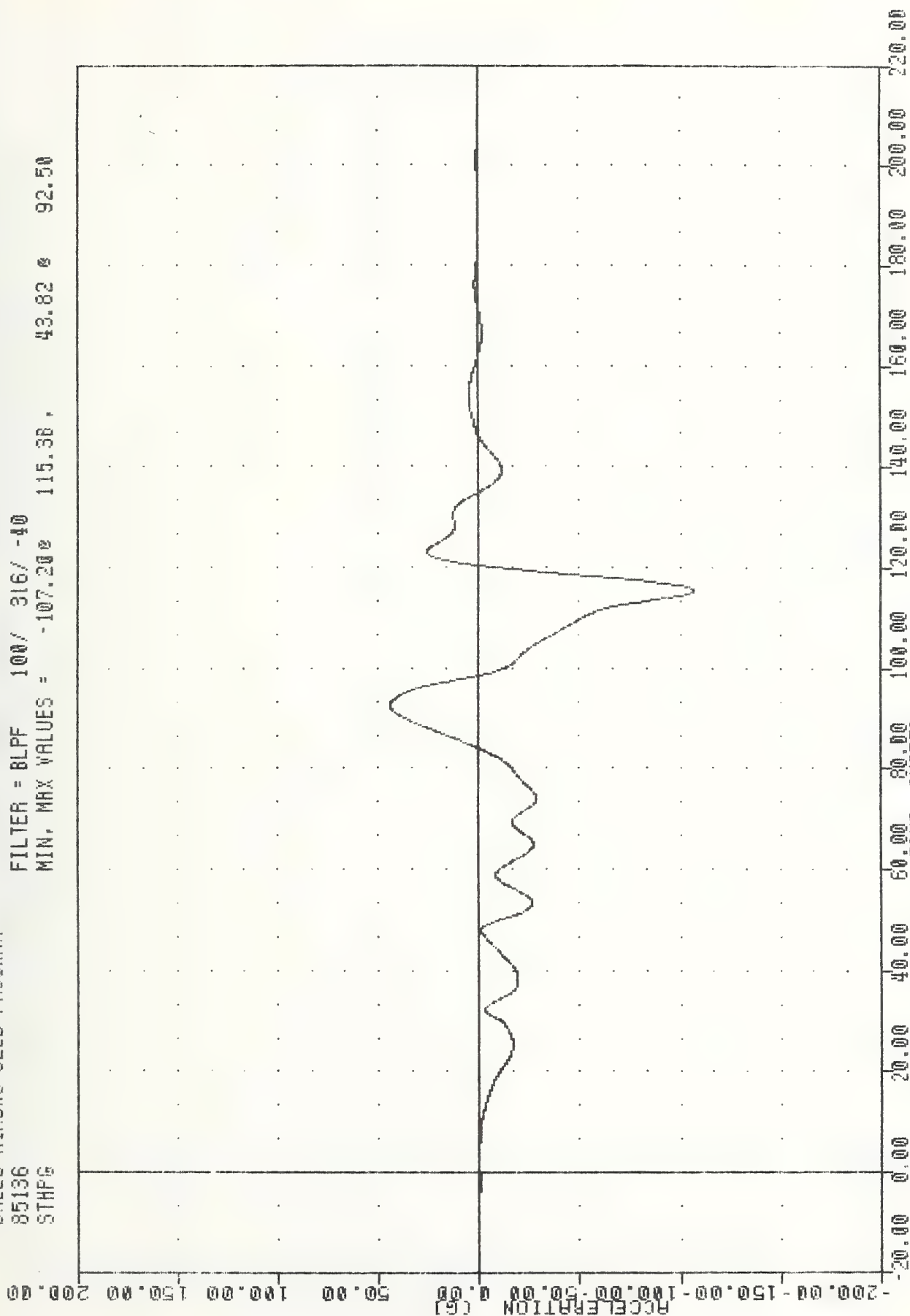
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER RIGHT FEMUR FORCE

VRTC , RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 STPG

PLOT DATE 16-MAY-85 16:11:57

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -107.20 115.38 43.82 92.50



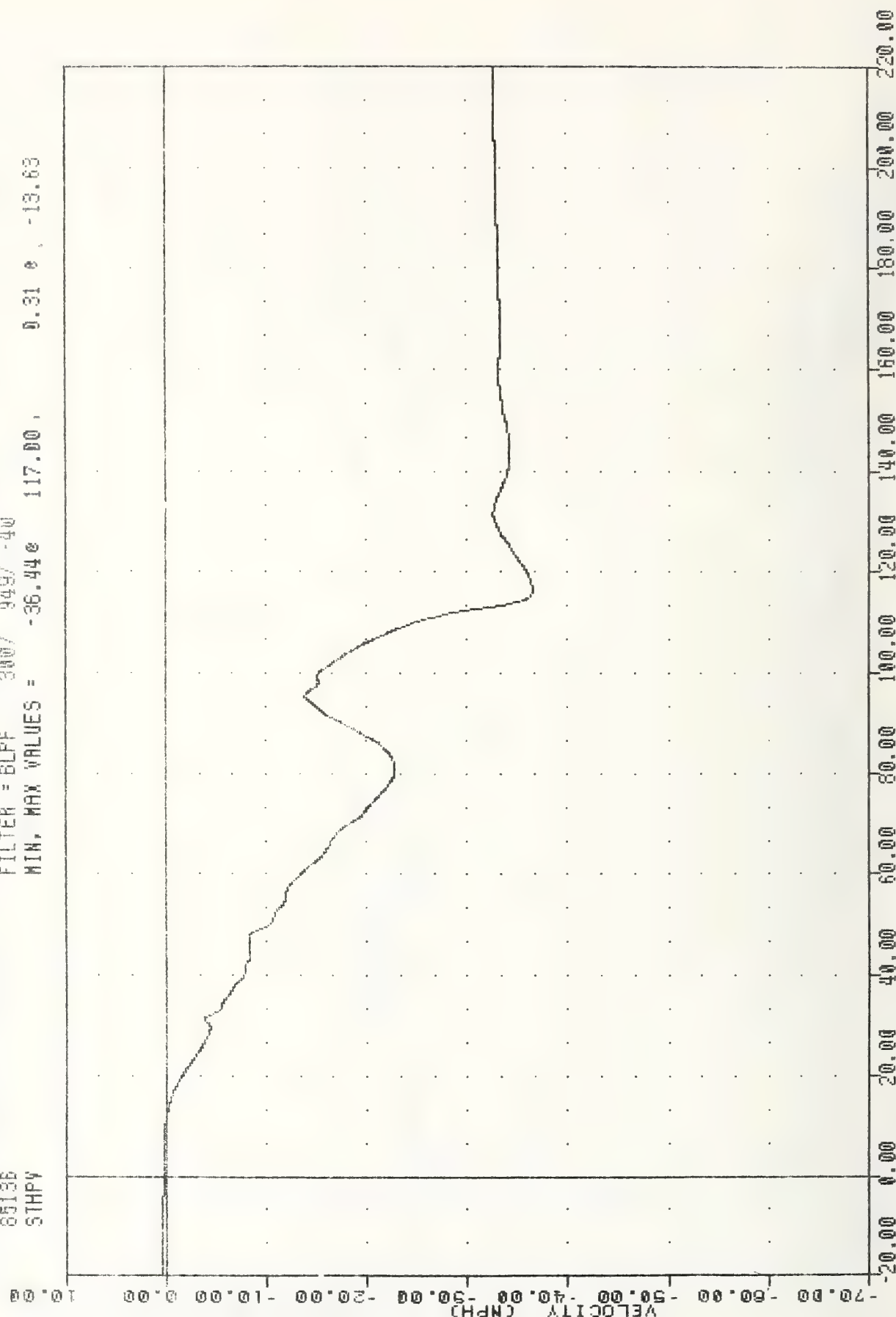
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION A-P AXIS

VRTC , RD184-4-83
 BREED AIRBAG SLED PROGRAM
 85136
 STHPV

FLWT DATE 16-MAY-85 16:13:40

FILTER = BLFF 300/ 949/ -40

MIN, MAX VALUES = -36.44e 117.00, 0.31 e, -13.63



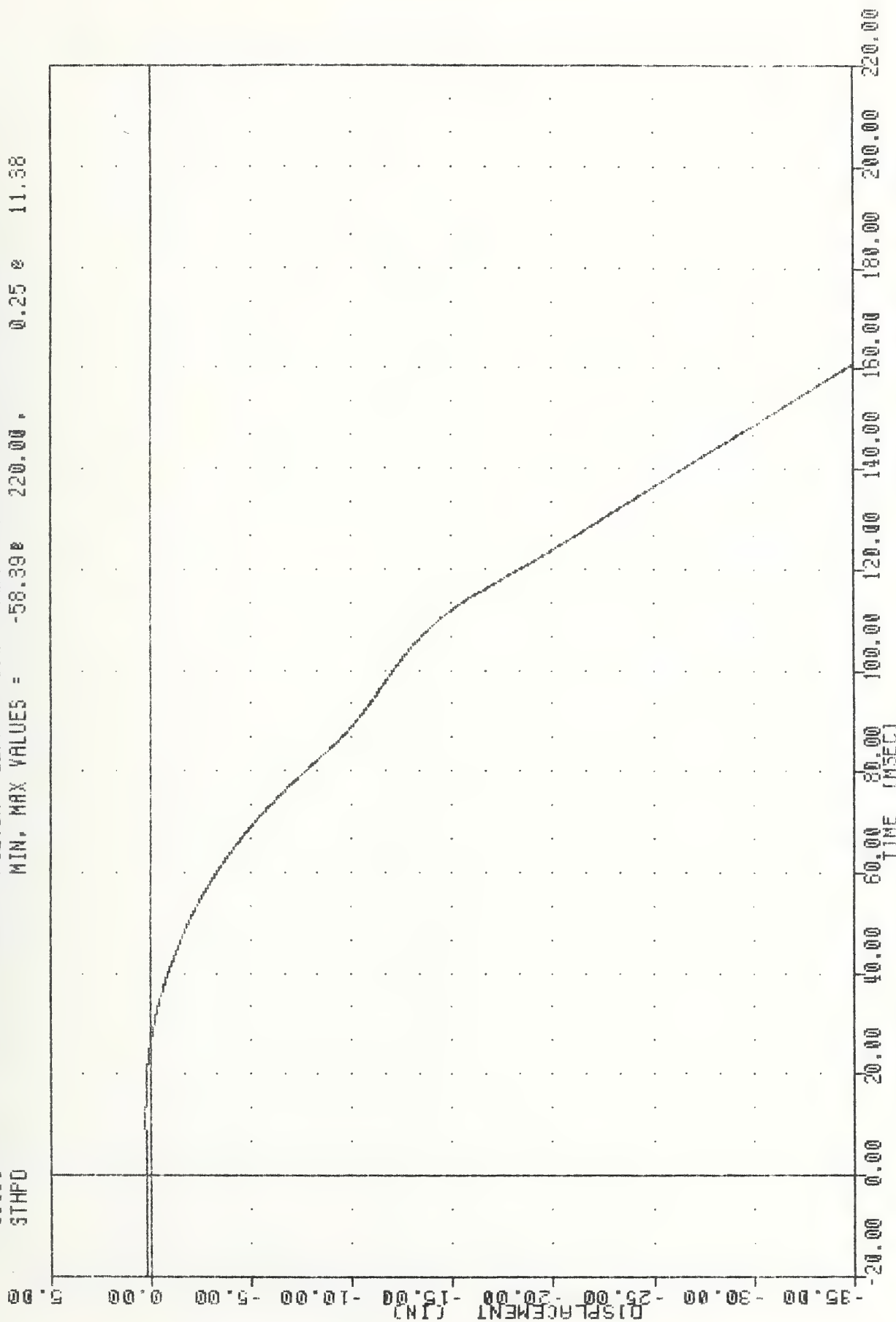
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING STHPV

VRIC
BREED AIRBAG SLED PROGRAM
85136
STHFD

PLOT DATE 16-MAY-85 16:13:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -58.390 220.00, 0.25 11.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING STHPV

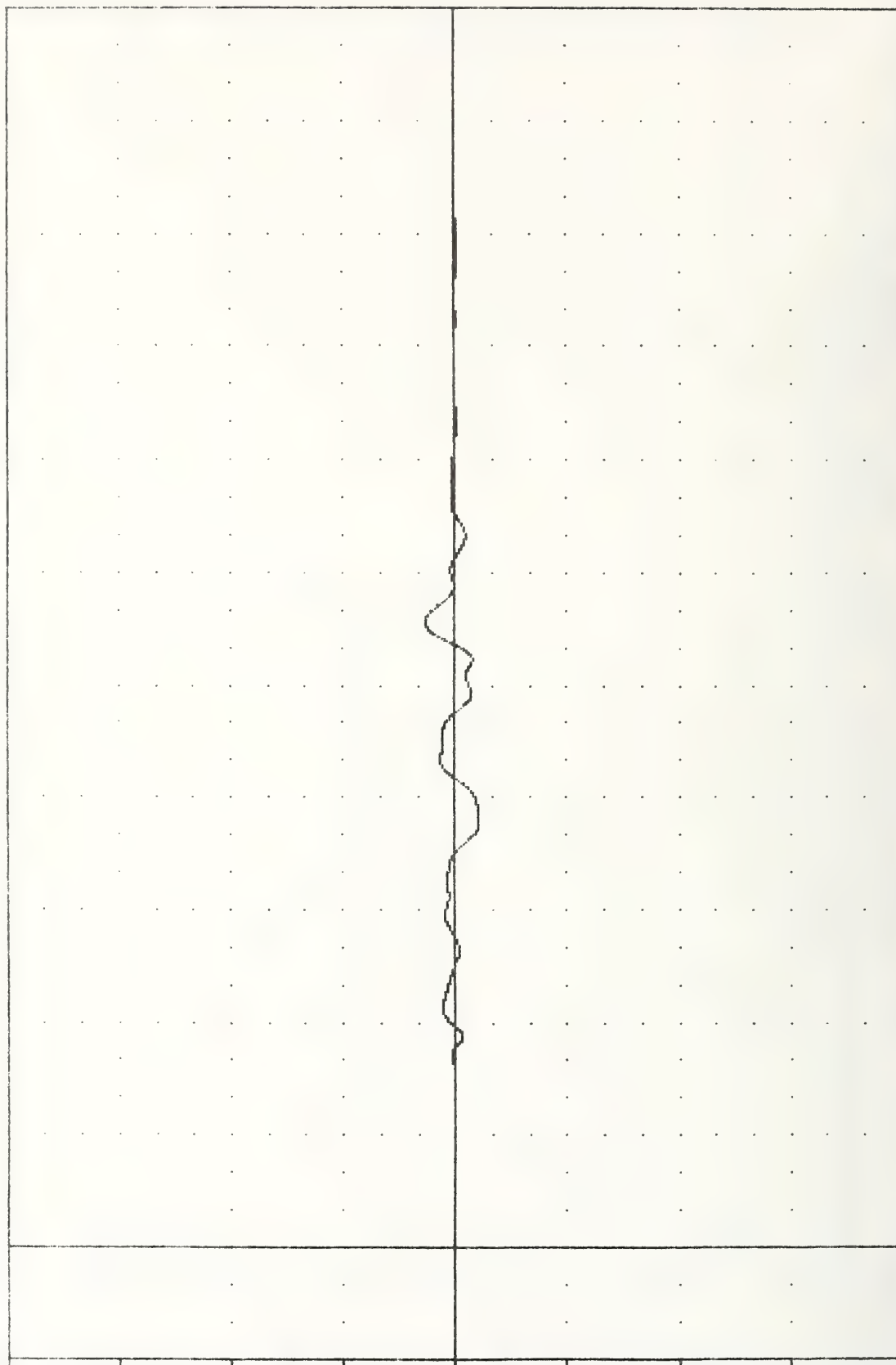
VRTC
 BREED AIRBAG SLED PROGRAM
 85136
 3THLG

PLOT DATE 16-MAY-85 18:11:57

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -10.65 75.63 13.30 111.25

ACCELERATION [G]



STEERING COLUMN HUB ACCELERATION M-L AXIS

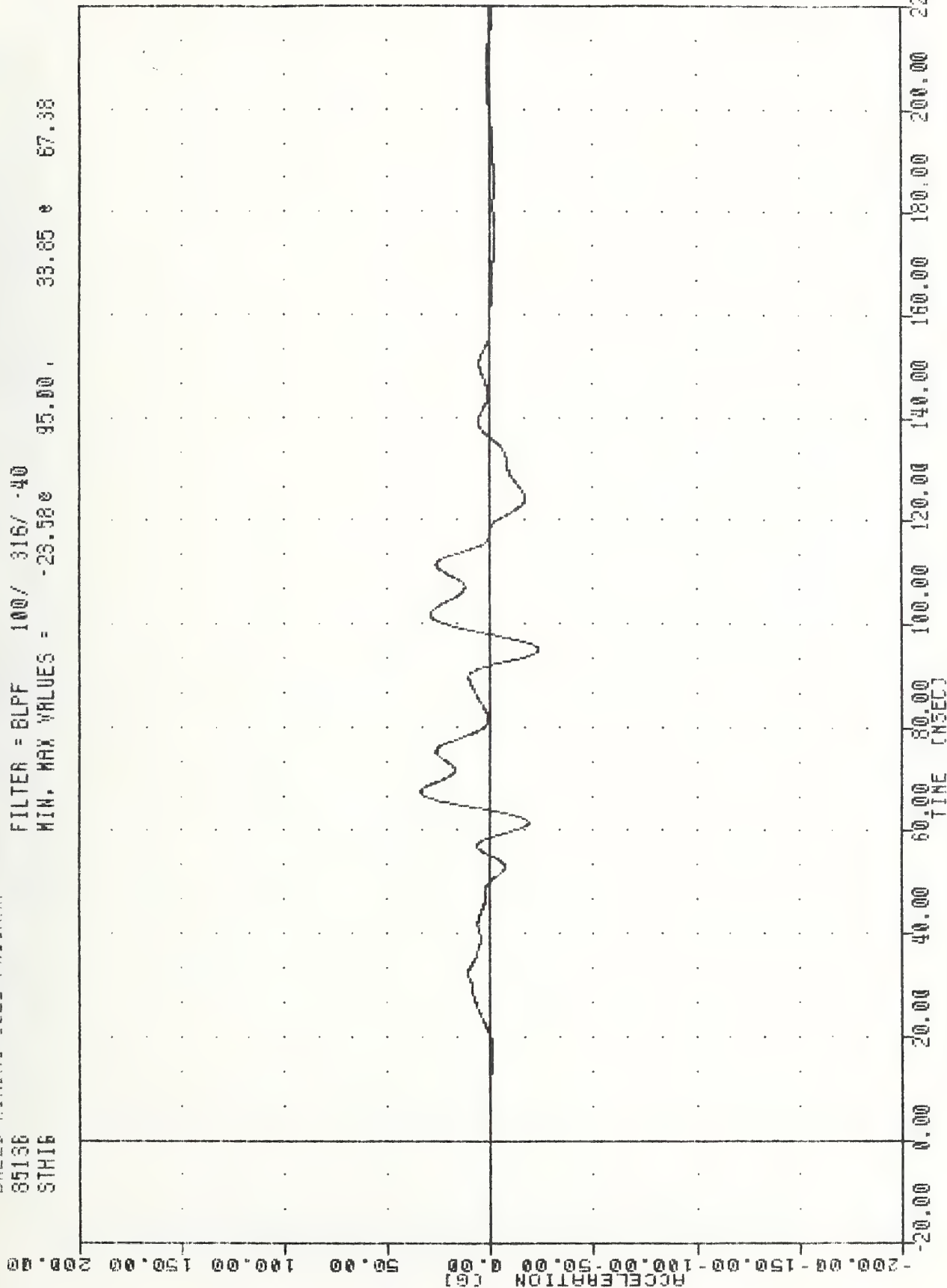
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

WRTC , RD384-4-33
BREED AIRRAG SLED PROGRAM
85138
STH16

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -23.50 95.00 33.85 67.38

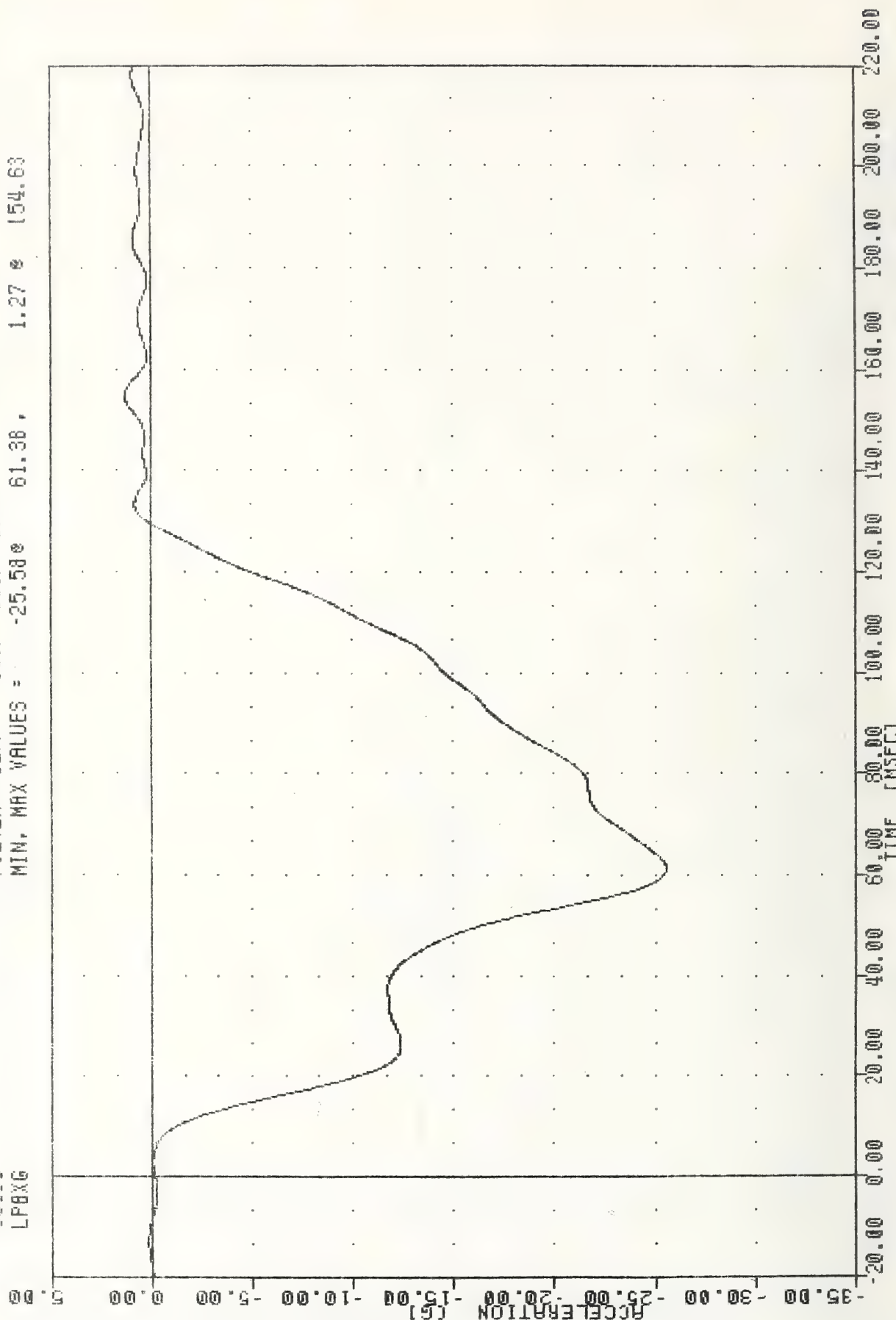


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

VRIC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85136
LPBXG

PLOT DATE 16-MAY-85 16:11:37

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -25.58 61.38, 1.27 154.63



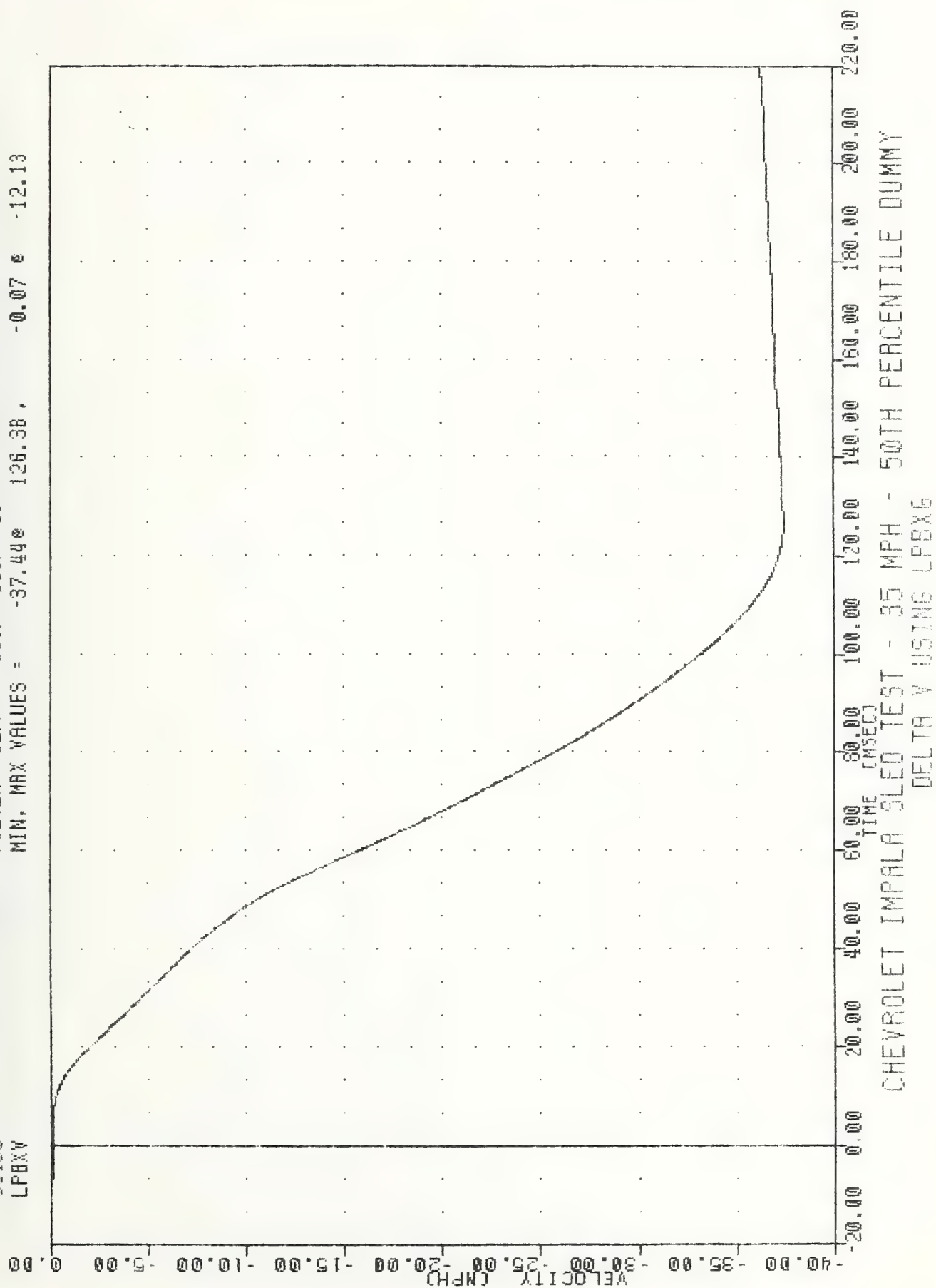
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VR10
BREED AIRBAG SLED PROGRAM
85136
LPBXV

PLOT DATE 16-MAY-85 15:13:40

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -37.44e 126.38. -0.07 e -12.13

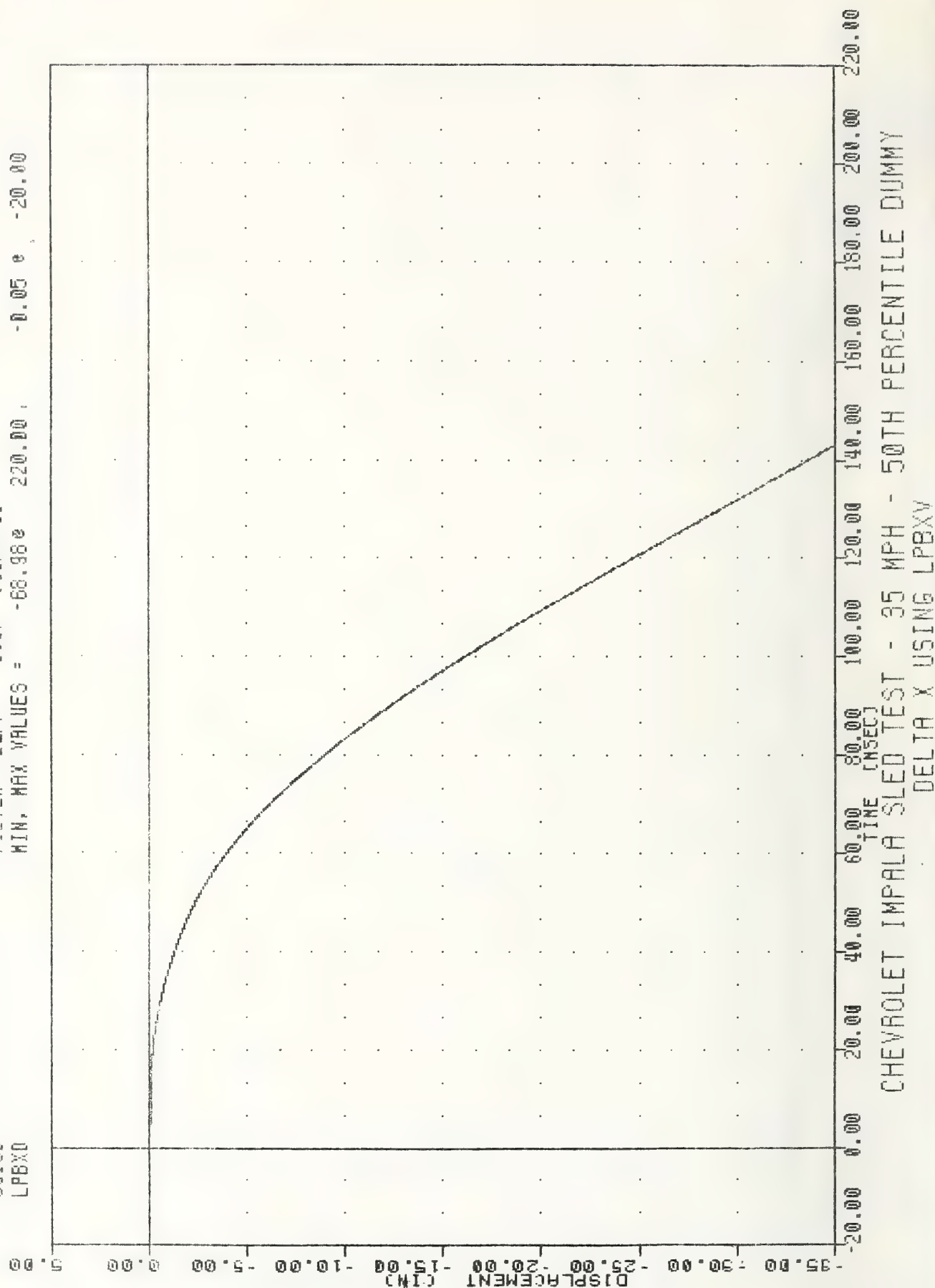


WATC , RD334-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 LPBX0

PLOT DATE 16-MAY-85 16:13:40

FILTER = BLPF 300/ 949/ -40

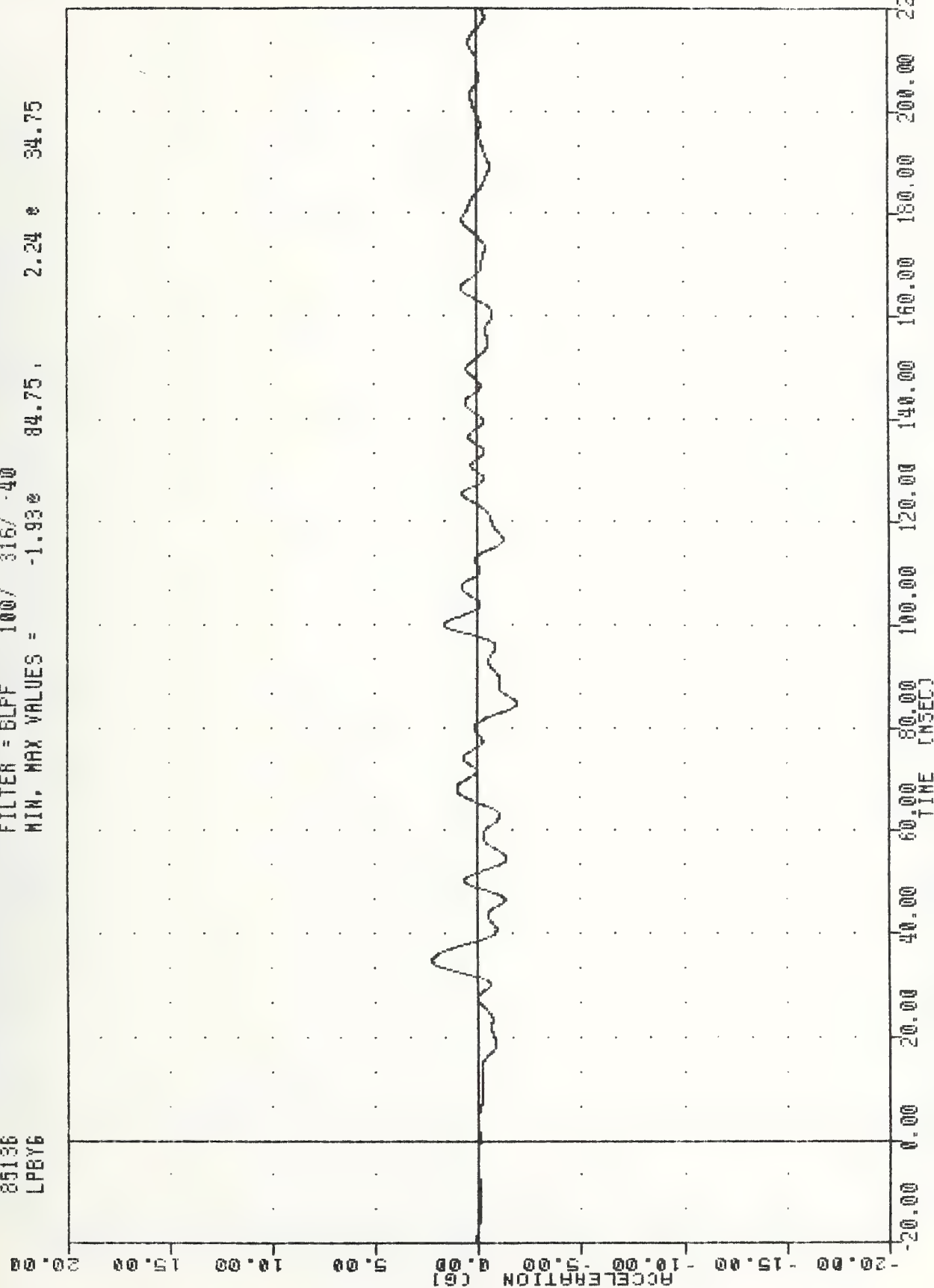
MIN, MAX VALUES = -68.98e 220.00, -0.05 e, -20.00



VATC
BREED AIRBAG SLED PROGRAM
85136
LPBY6

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -1.93e 84.75 2.24 e 34.75

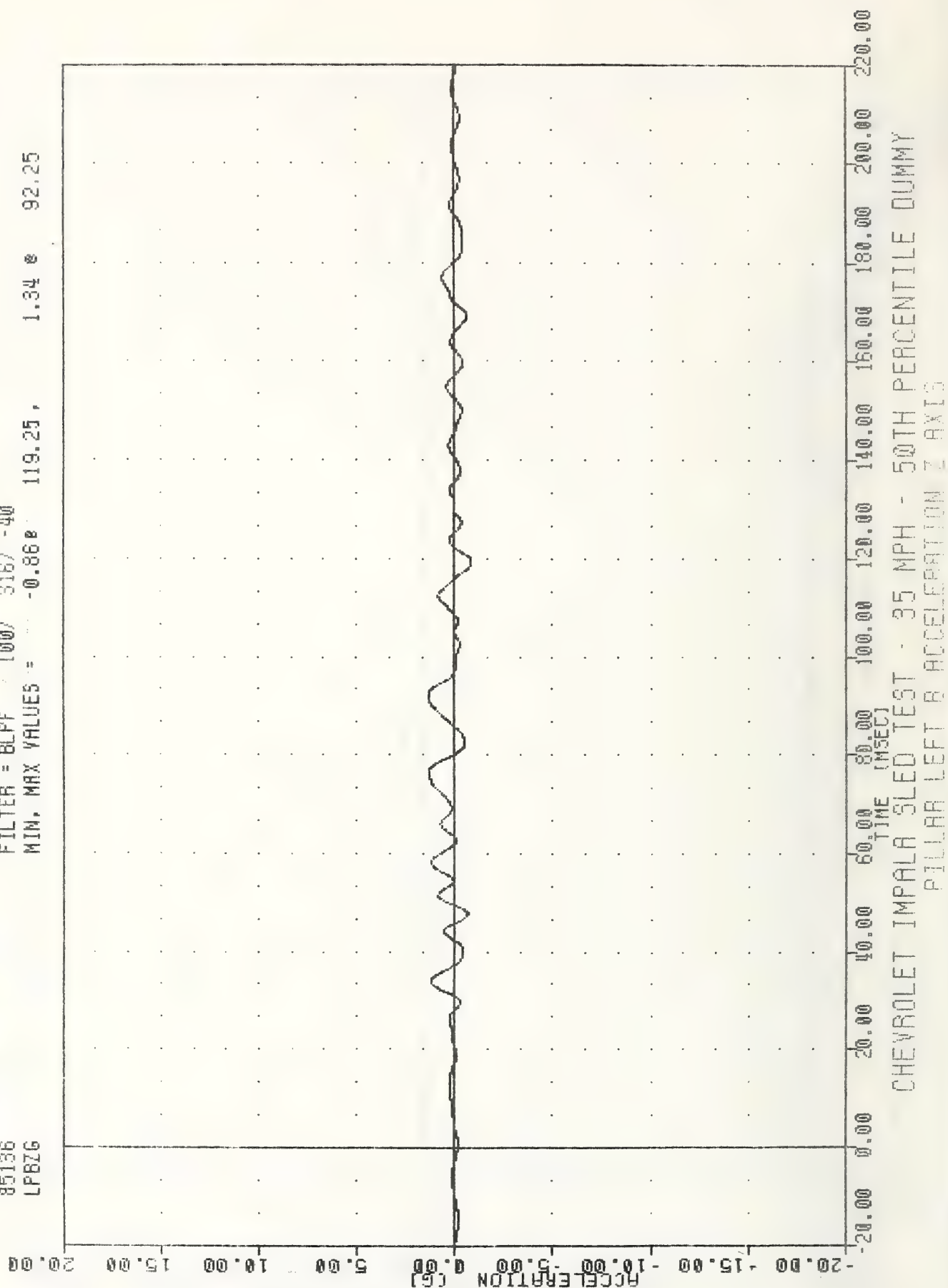


VRTO
BRAED AIRBAG SLED PROGRAM
85136
LPBZG

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLFF / 100/ 316/ -40

MIN, MAX VALUES = -0.86e 119.25, 1.34e 92.25

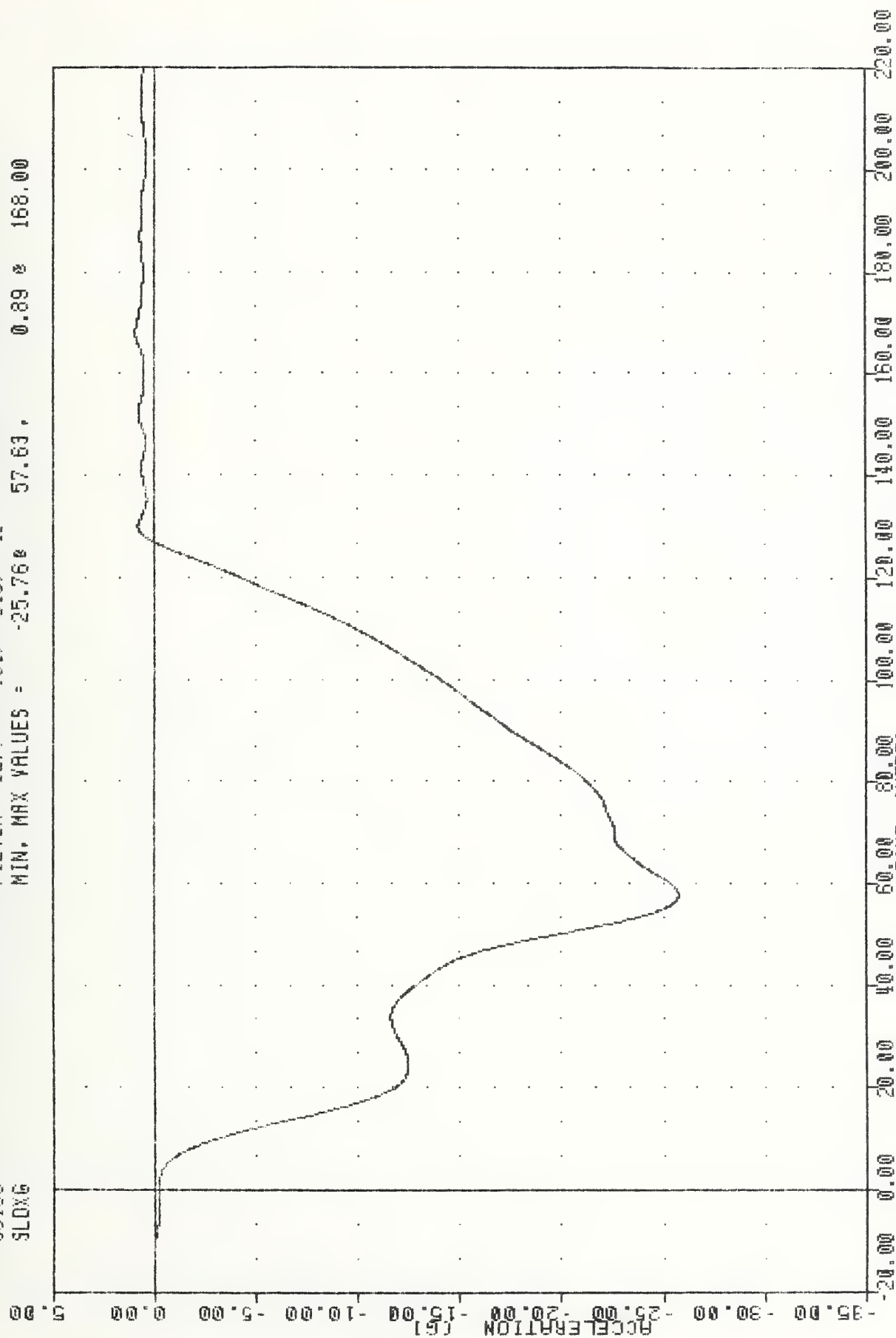


VRTC
BREED AIRBAG SLED PROGRAM
85136
SLOXG

PLOT DATE 16-MAY-85 18:11:57

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.76 57.63, 0.89 168.00



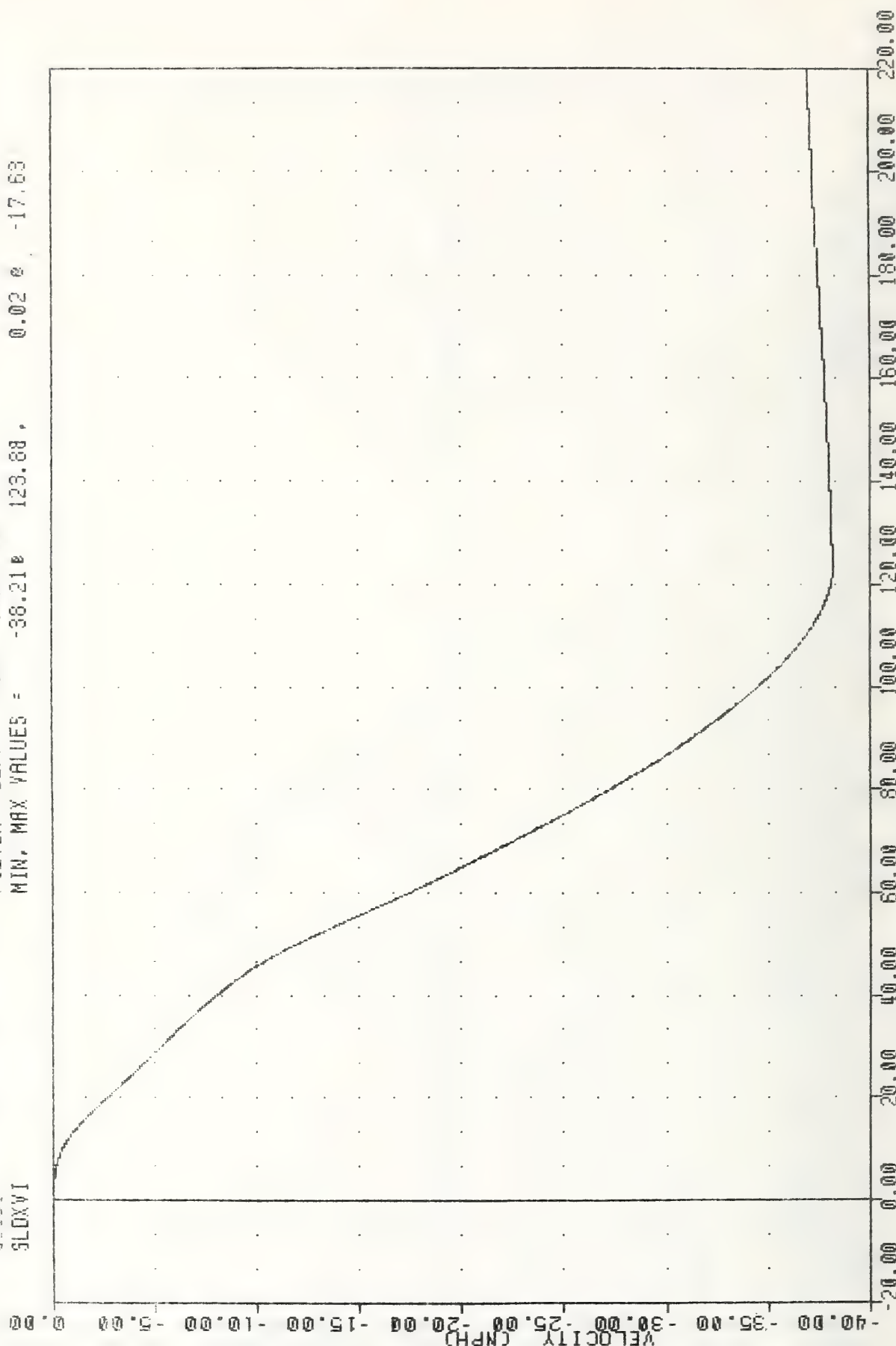
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VRTE
BREED AIRBAG SLED PROGRAM
85136
SLOXVI

PLOT DATE 10-MAY-85 140 140

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -38.218 123.68 0.02 e -17.63



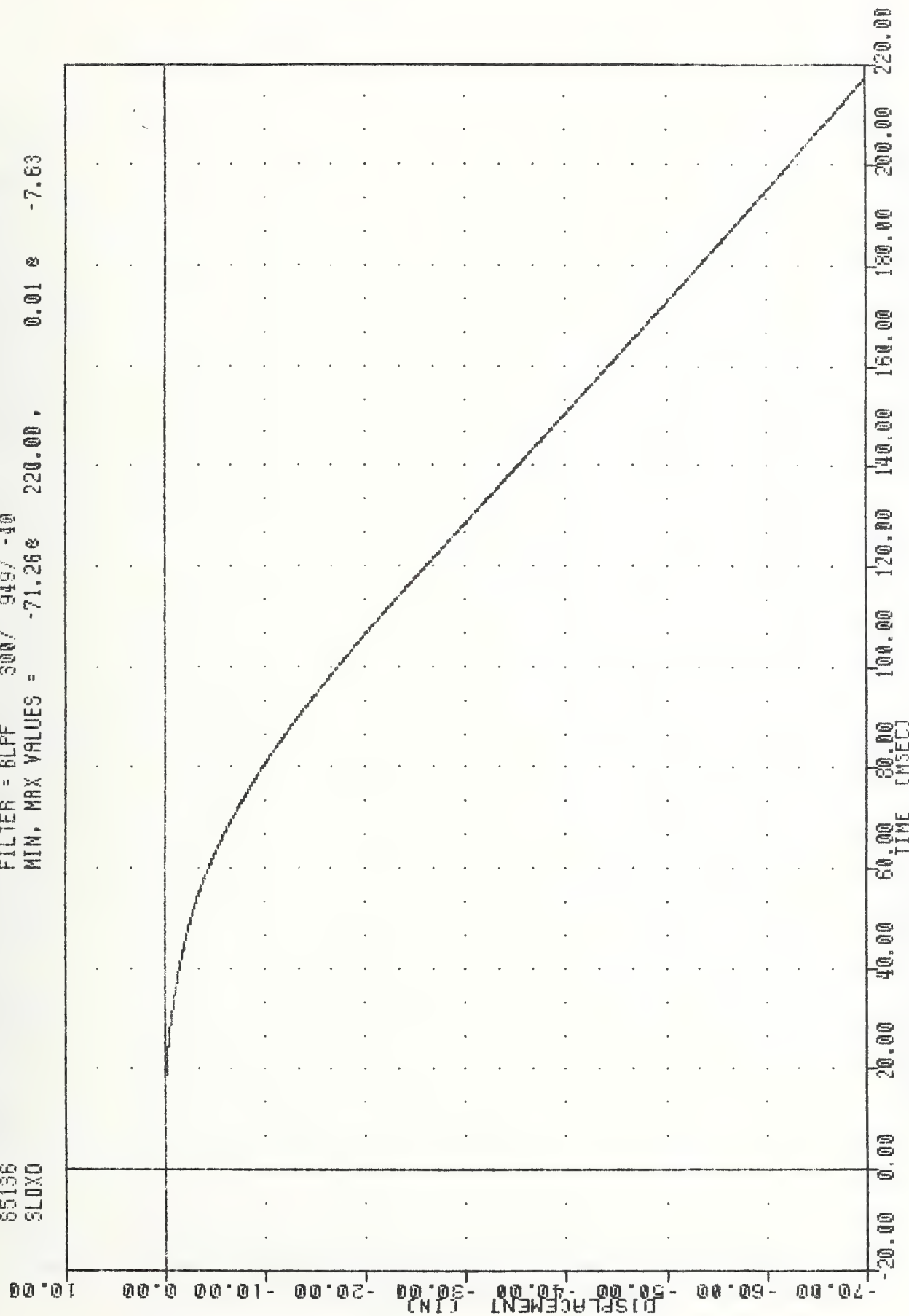
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

VRTC : RD384-A-33
 BREED AIRBAG SLED PROGRAM
 85136
 SLOXO

PLOT DATE 16-MAY-85 16:13:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -71.260 220.00, 0.01 0 -7.63



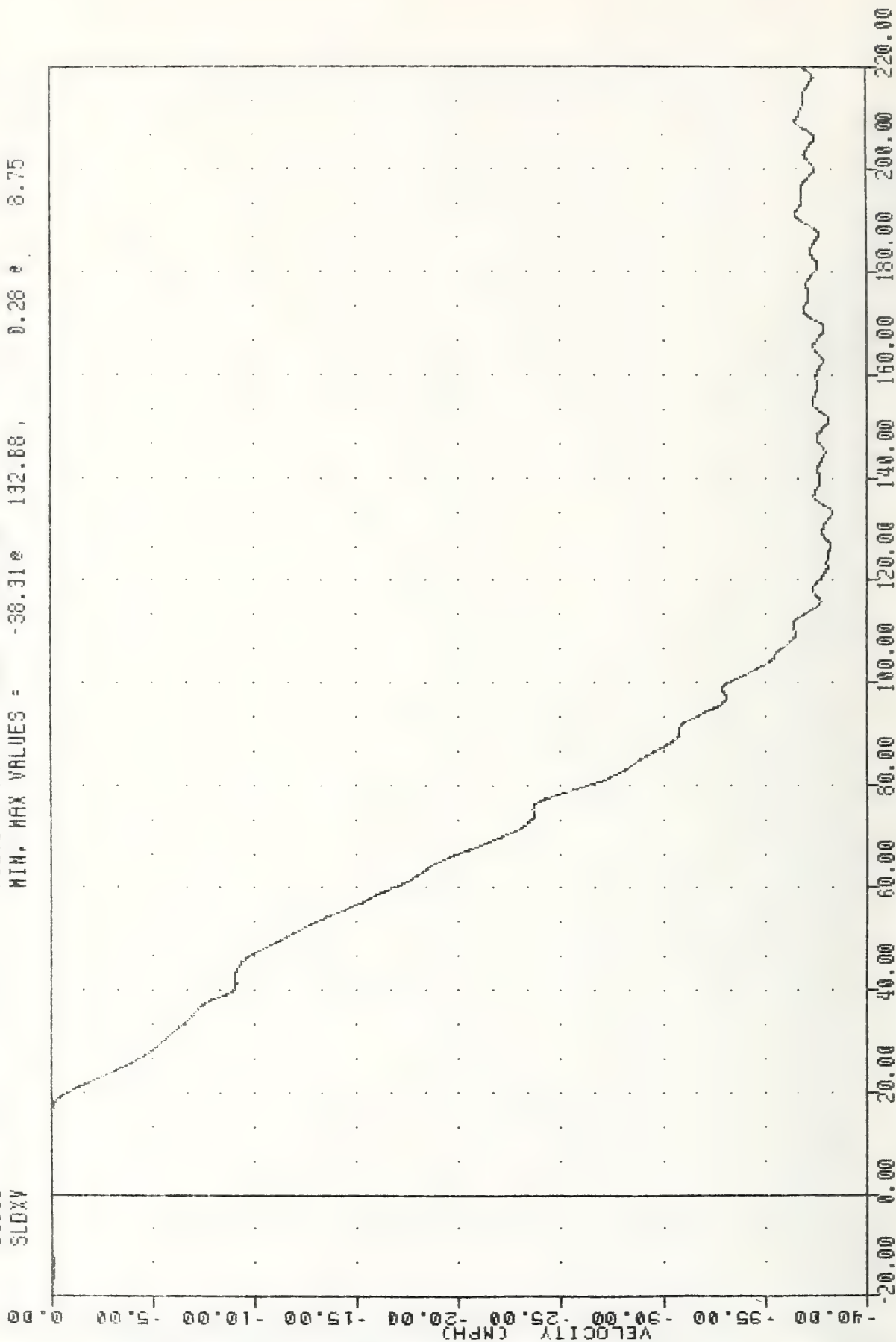
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

VATIC , R0304-4-33
BREED AIRBAG SLED PROGRAM
05136
SLODY

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALFF 100/ 316/ -40

MIN, MAX VALUES = -38.31e 132.88 , 0.26 e 8.75



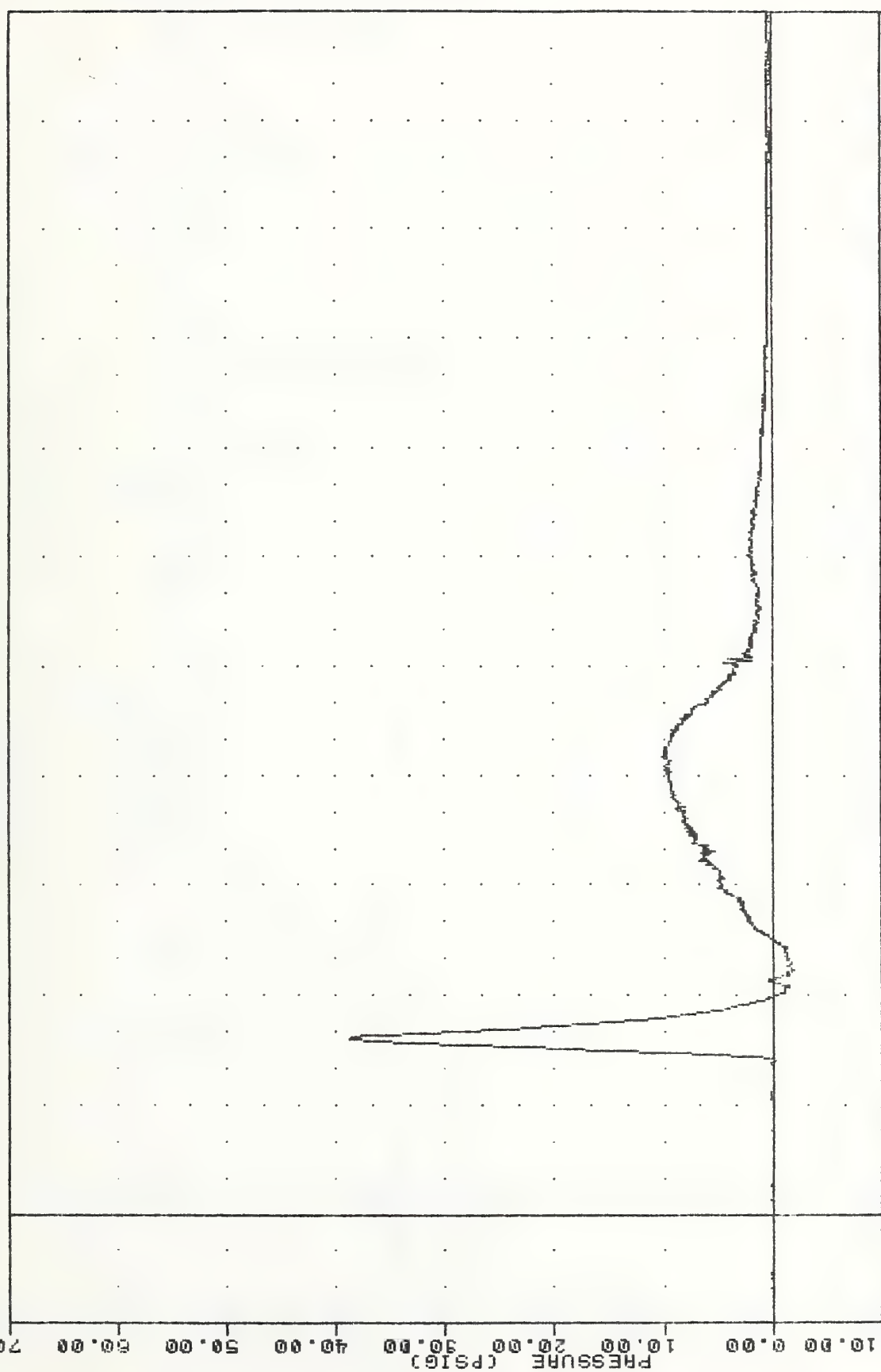
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRTC , RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 ABTP

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = -1.95e 44.50 , 38.67 e 32.13

70.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

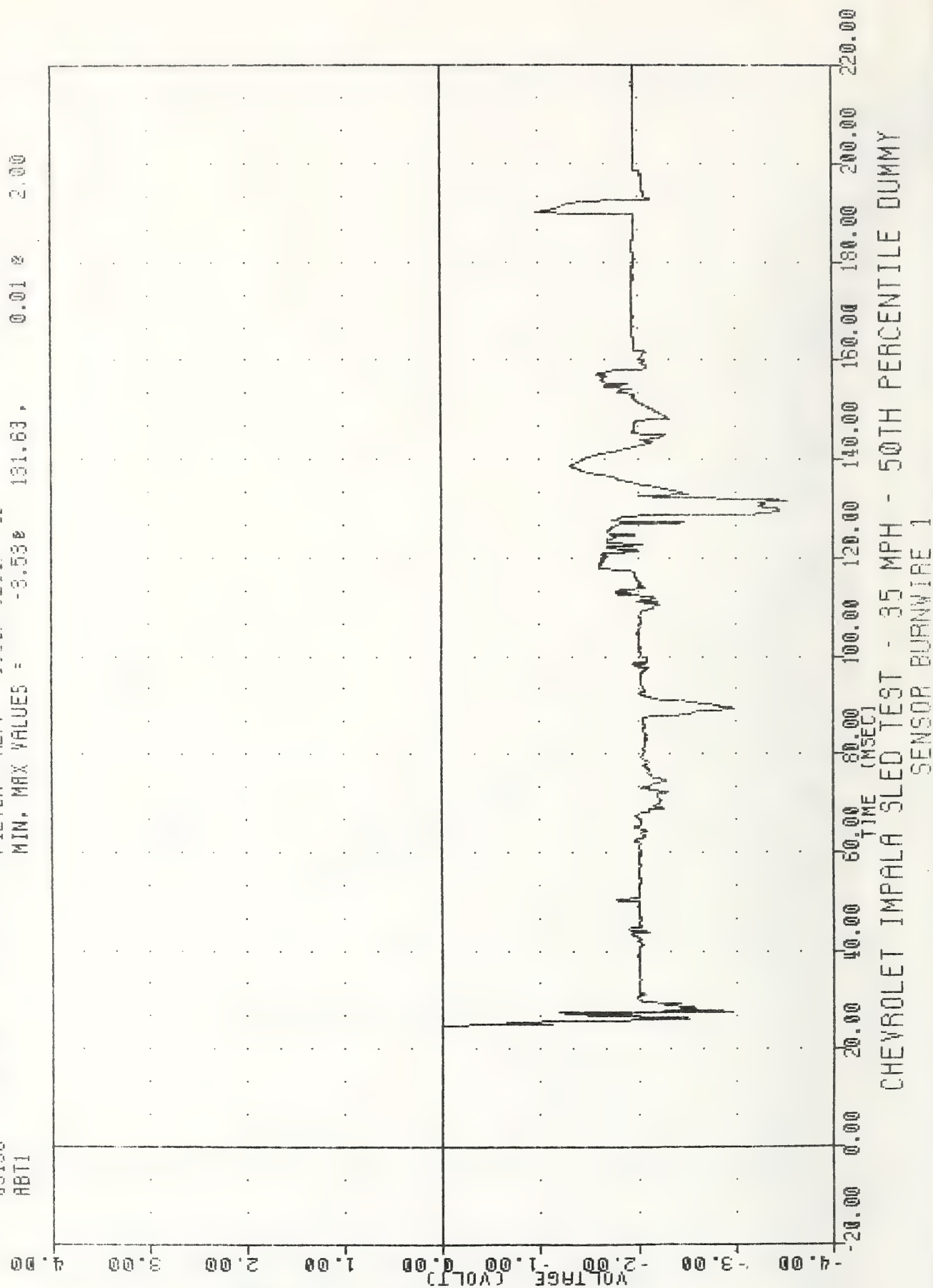
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 AIRBAG PRESSURE

VRIC , R0384-4-33
BREED AIRBAG SLED PROGRAM
85136
ABT1

PLOT DATE 18-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.53e 131.63, 0.01e 2.00

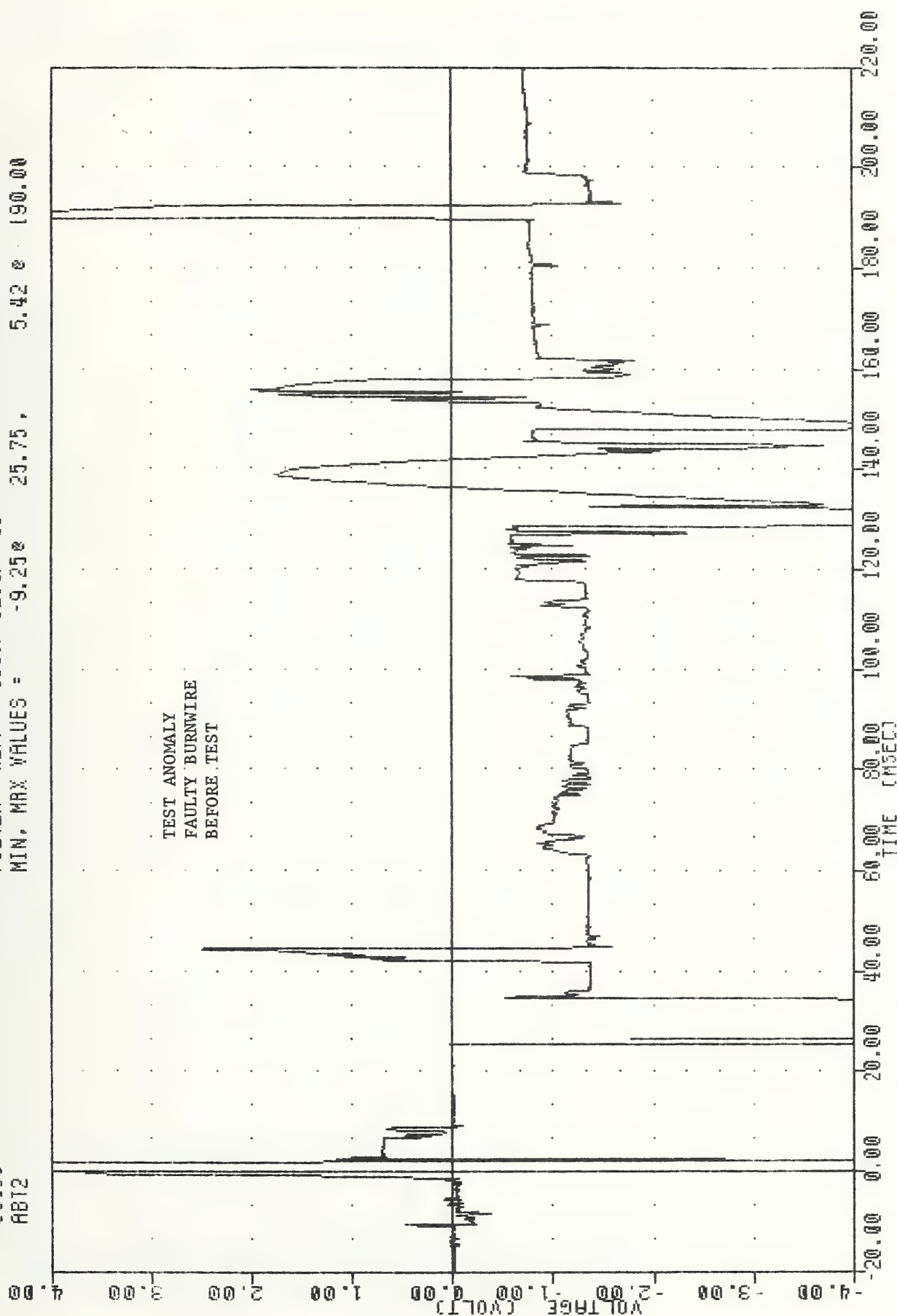


VRIC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85136
AB12

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -9.25e 25.75, 5.42 e 190.00

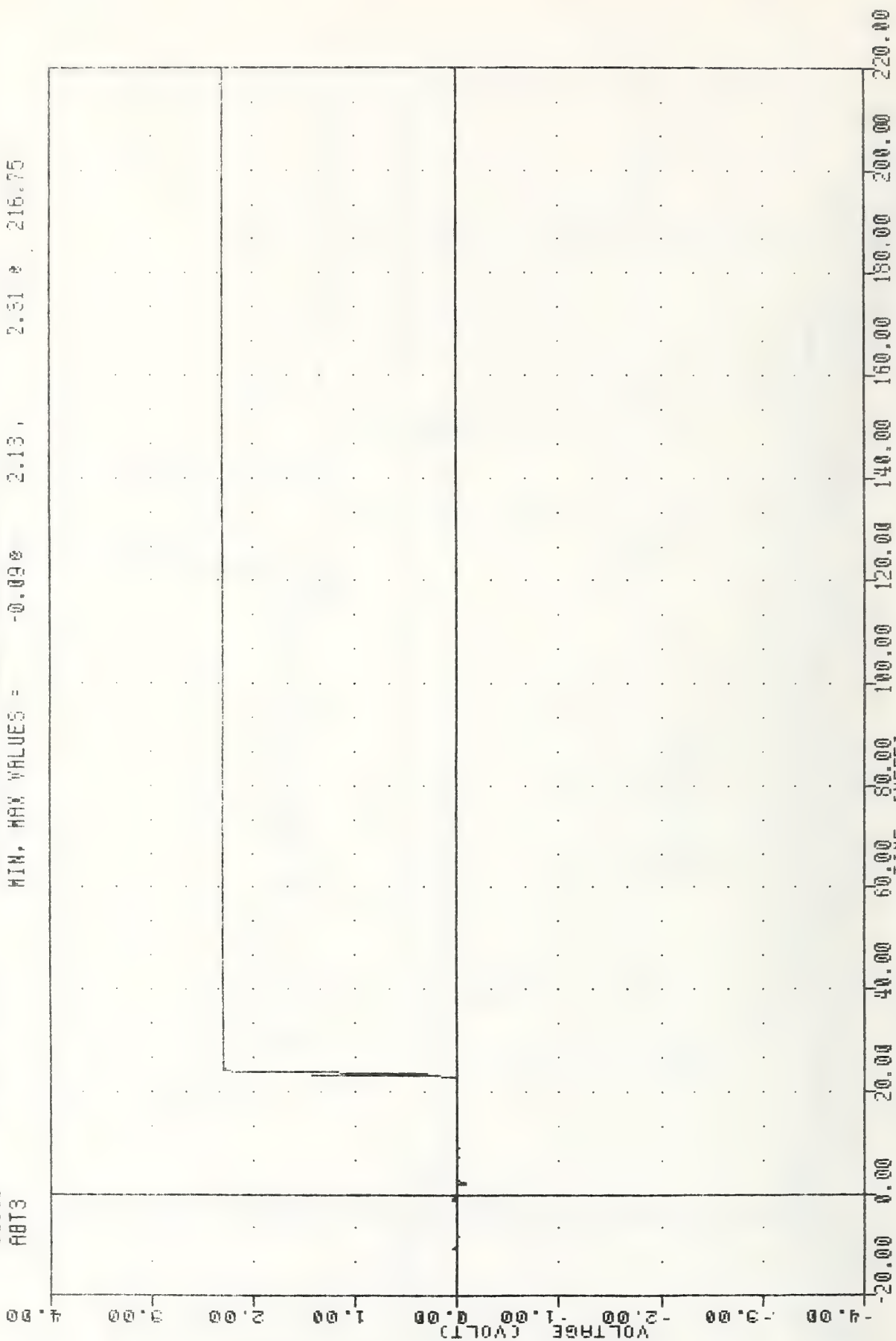


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 2

VRTC RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 ABT3

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = -0.090 2.13, 2.31 e 216.75



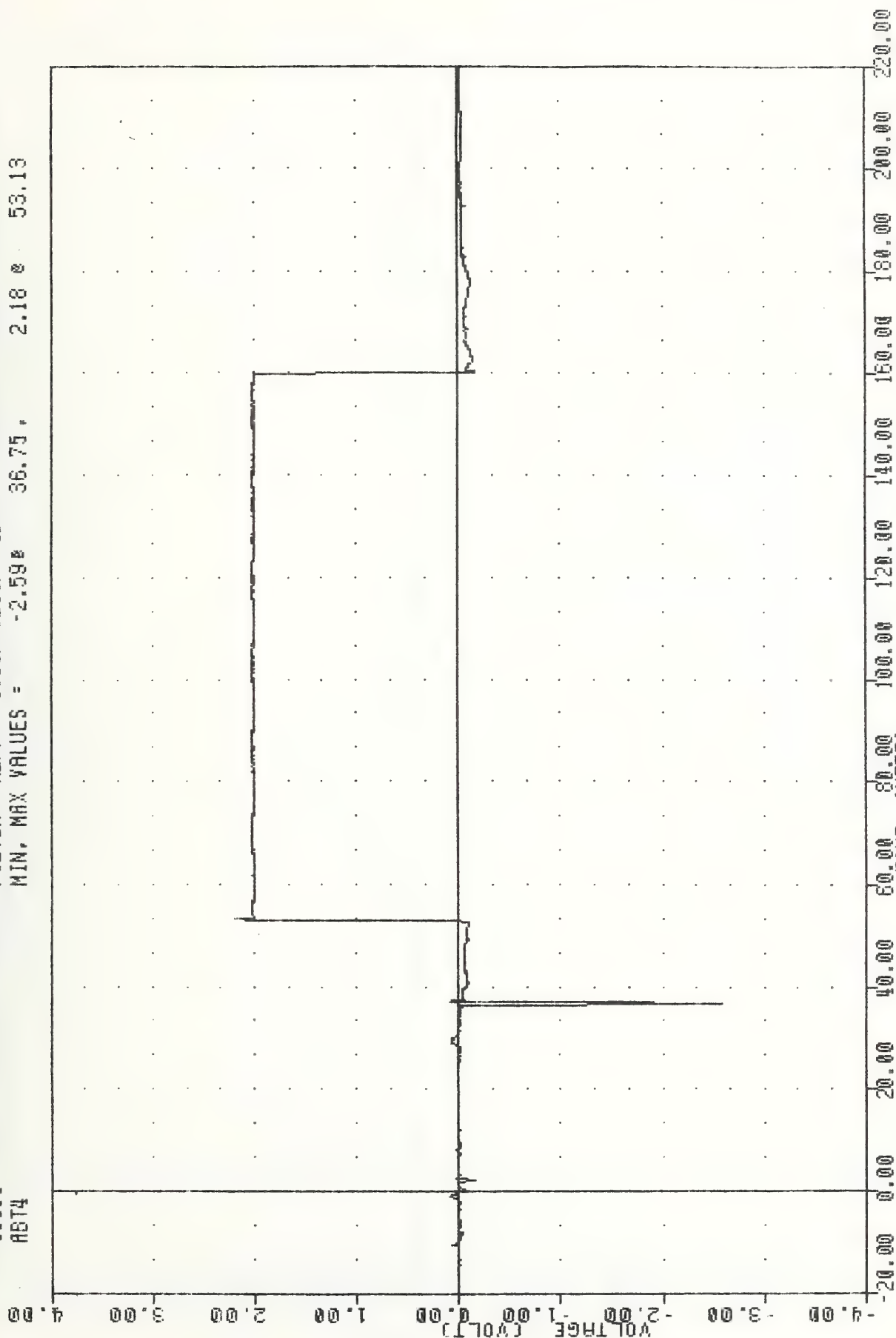
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 BREED B-PILLAR SENSOR

VRIC , R0384-4-33
BREED AIRBAG SLED PROGRAM
85136
AST4

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -2.598 36.75, 2.18 53.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

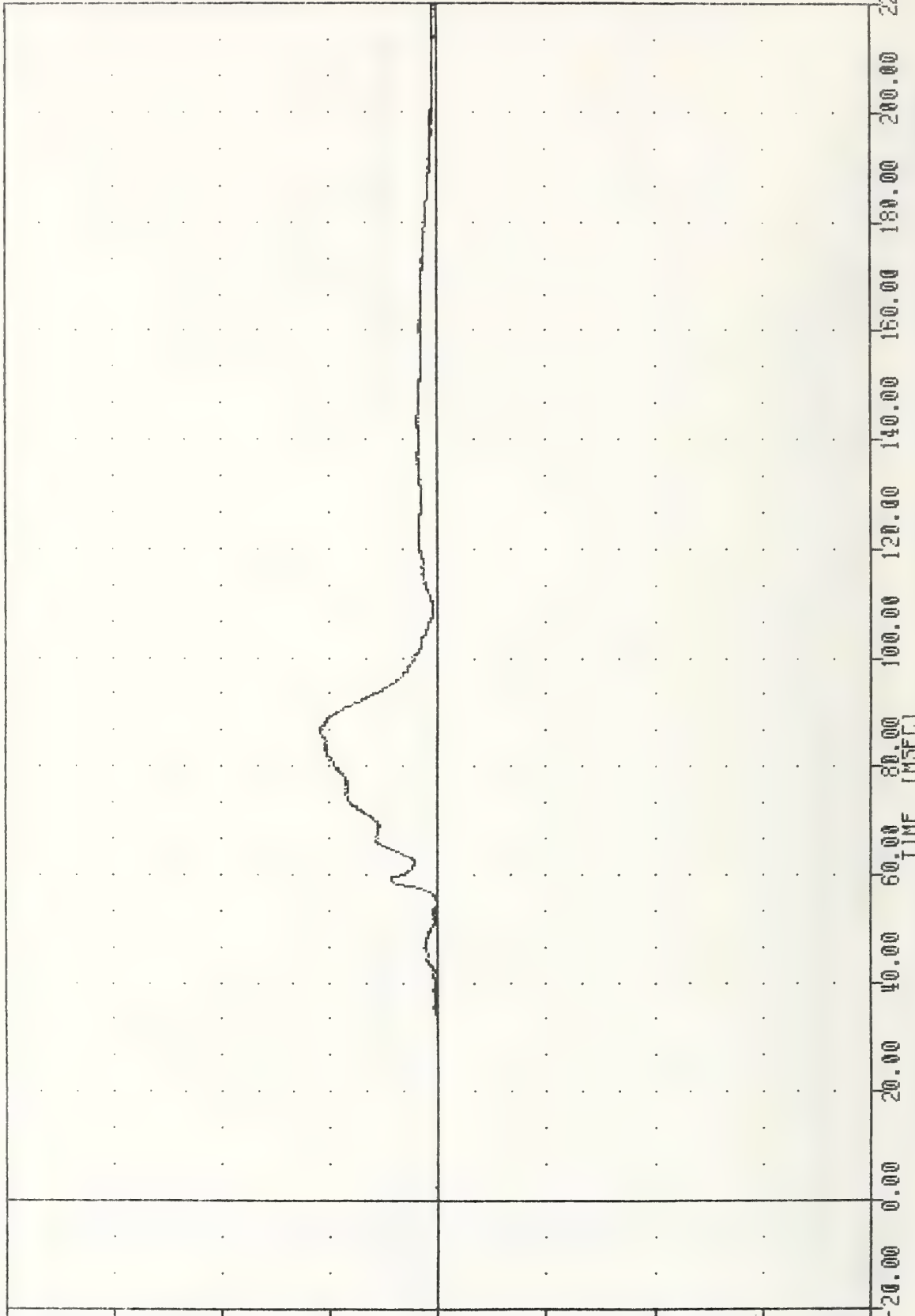
VRTC , R0384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 HEDRG1

PLOT DATE 16-MAY-85 16:15:27

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.06g 15.50, 34.80 g 86.25

ACCELERATION (g)

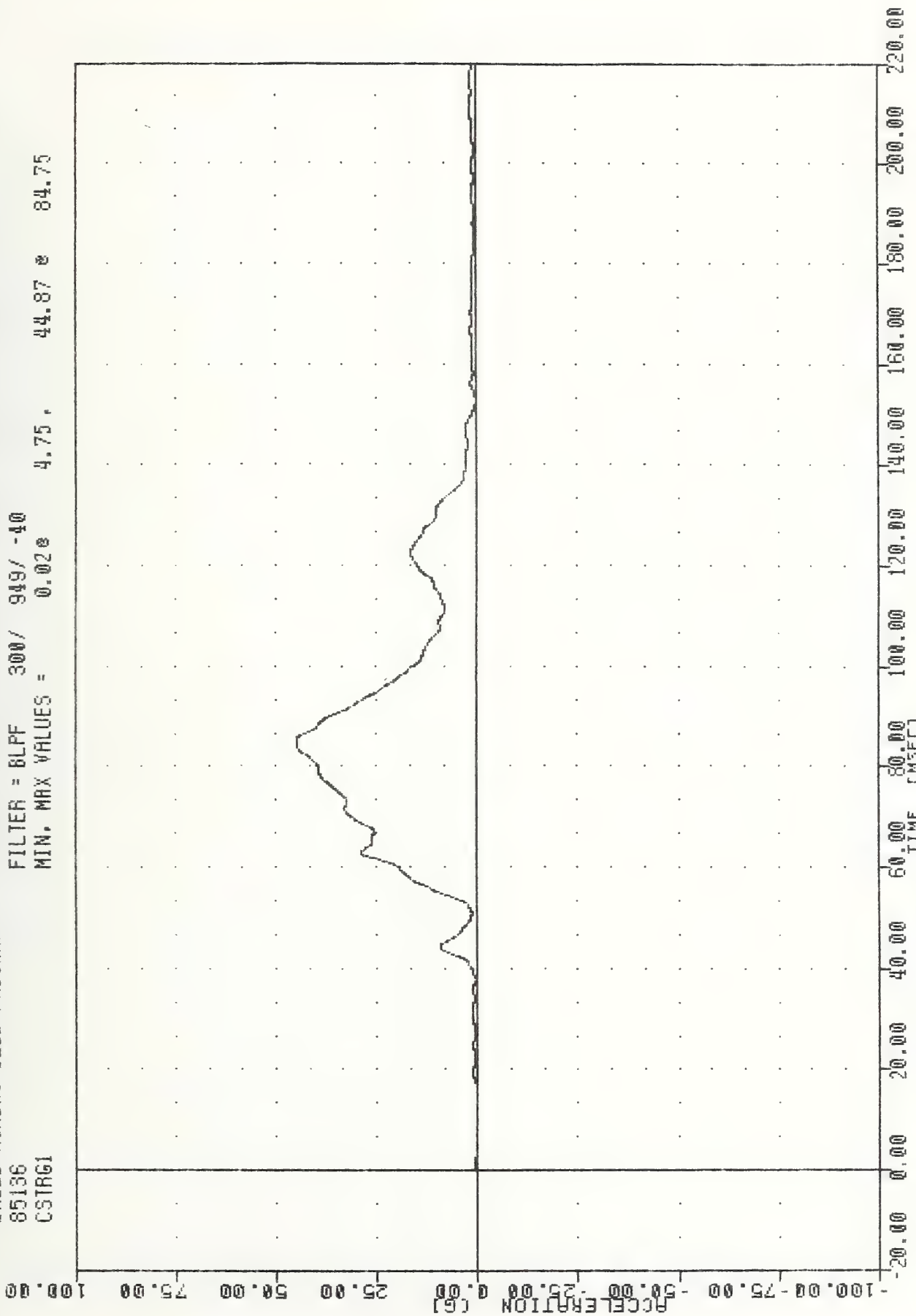


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD RESULTANT

VRIC , R0384-4-33
BRAED AIRBAG SLED PROGRAM
85136
CSTRG1

PLOT DATE 16-MAY-85 16:15:27

FILTER = 8LPF 300/ 949/ -40
MIN. MAX VALUES = 0.020 4.75 , 44.87 & 84.75



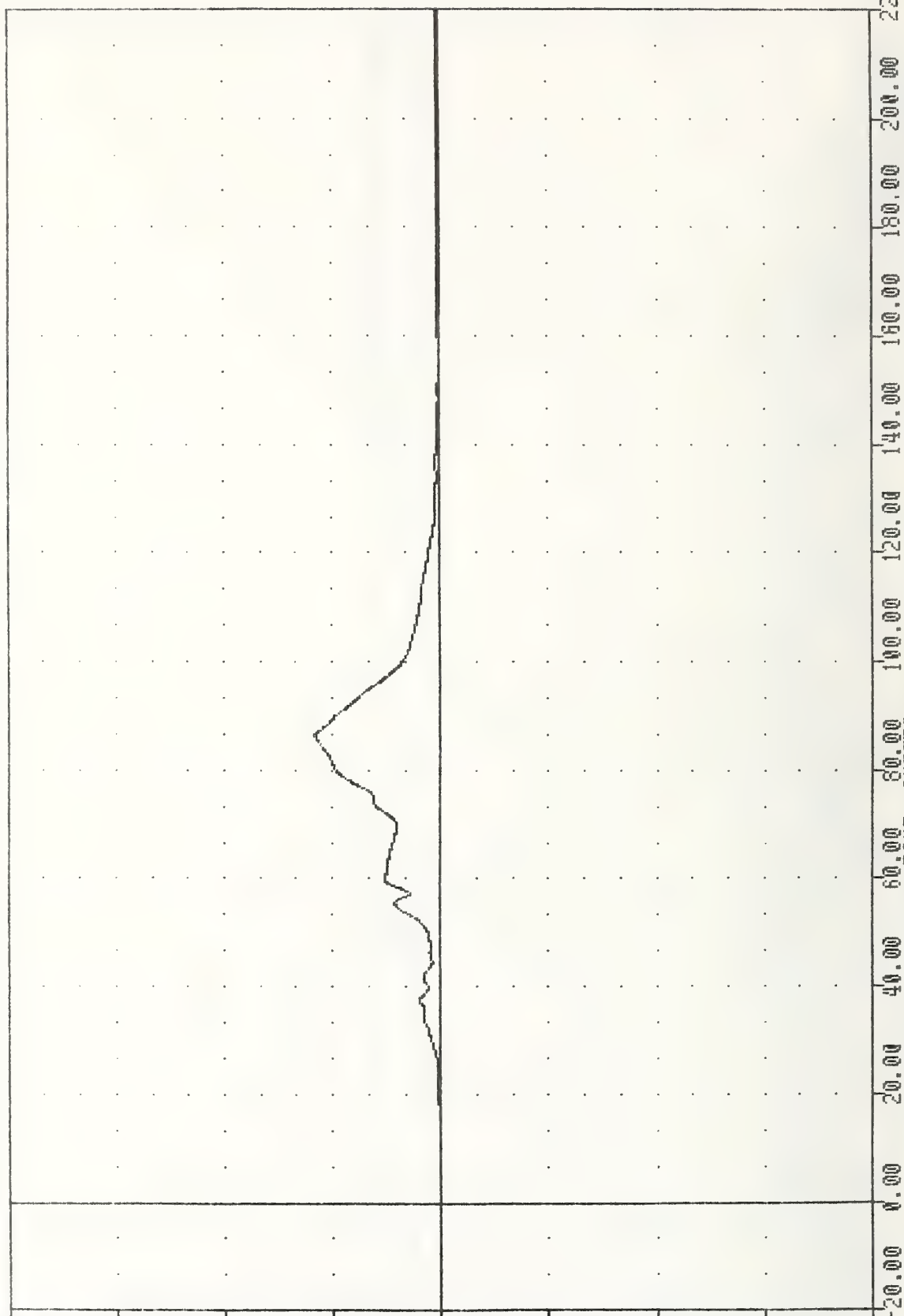
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

WATC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85138
PEVR61

PLOT DATE 15-MAY-85 16:15:27

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = 0.13e -16.63, 58.13 e, 86.38

ACCELERATION (G)



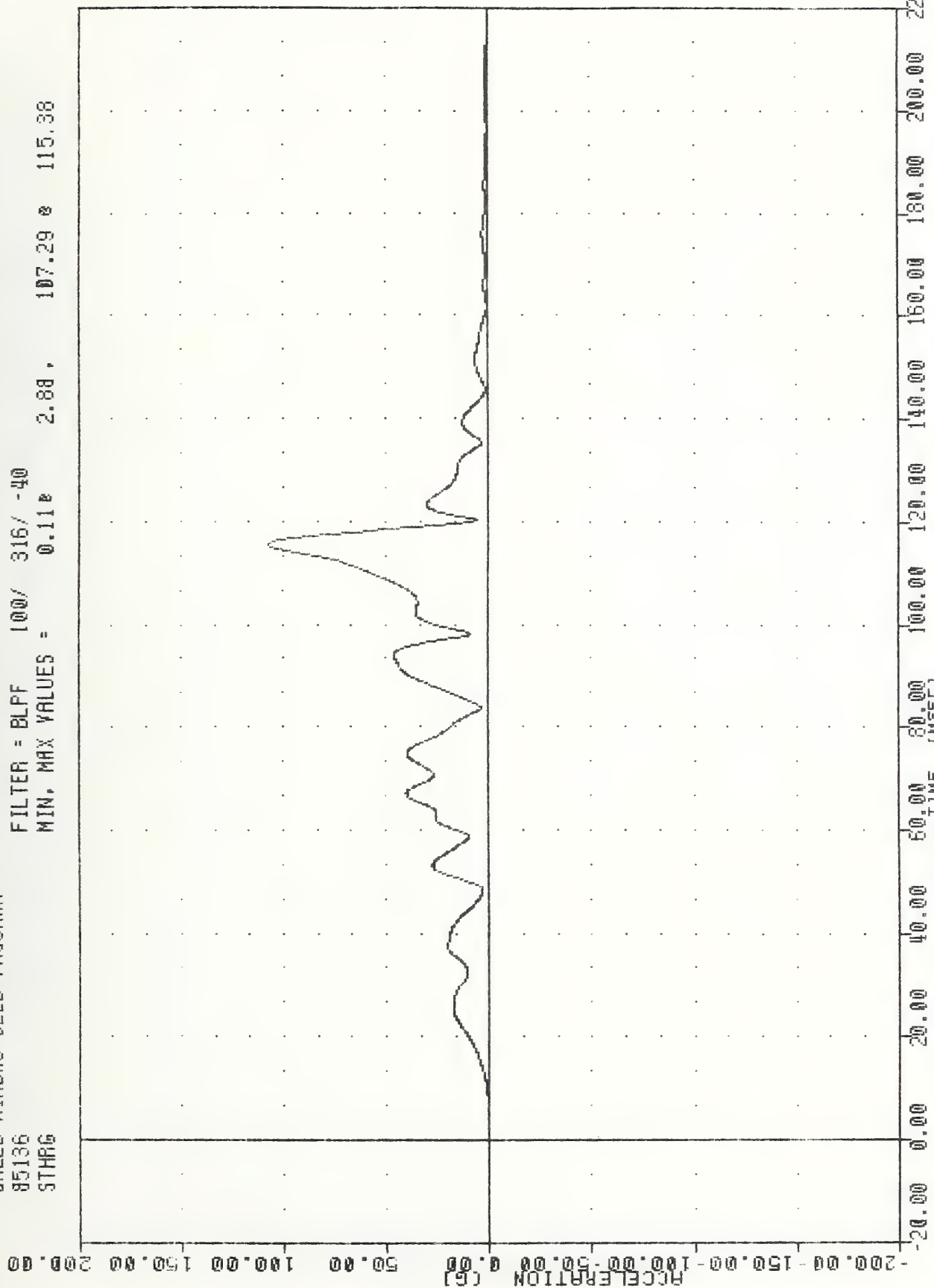
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

VRTC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85136
STRG

PLOT DATE 16-MAY-85 16:15:27

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = 0.11e 2.88, 107.29 e 115.38



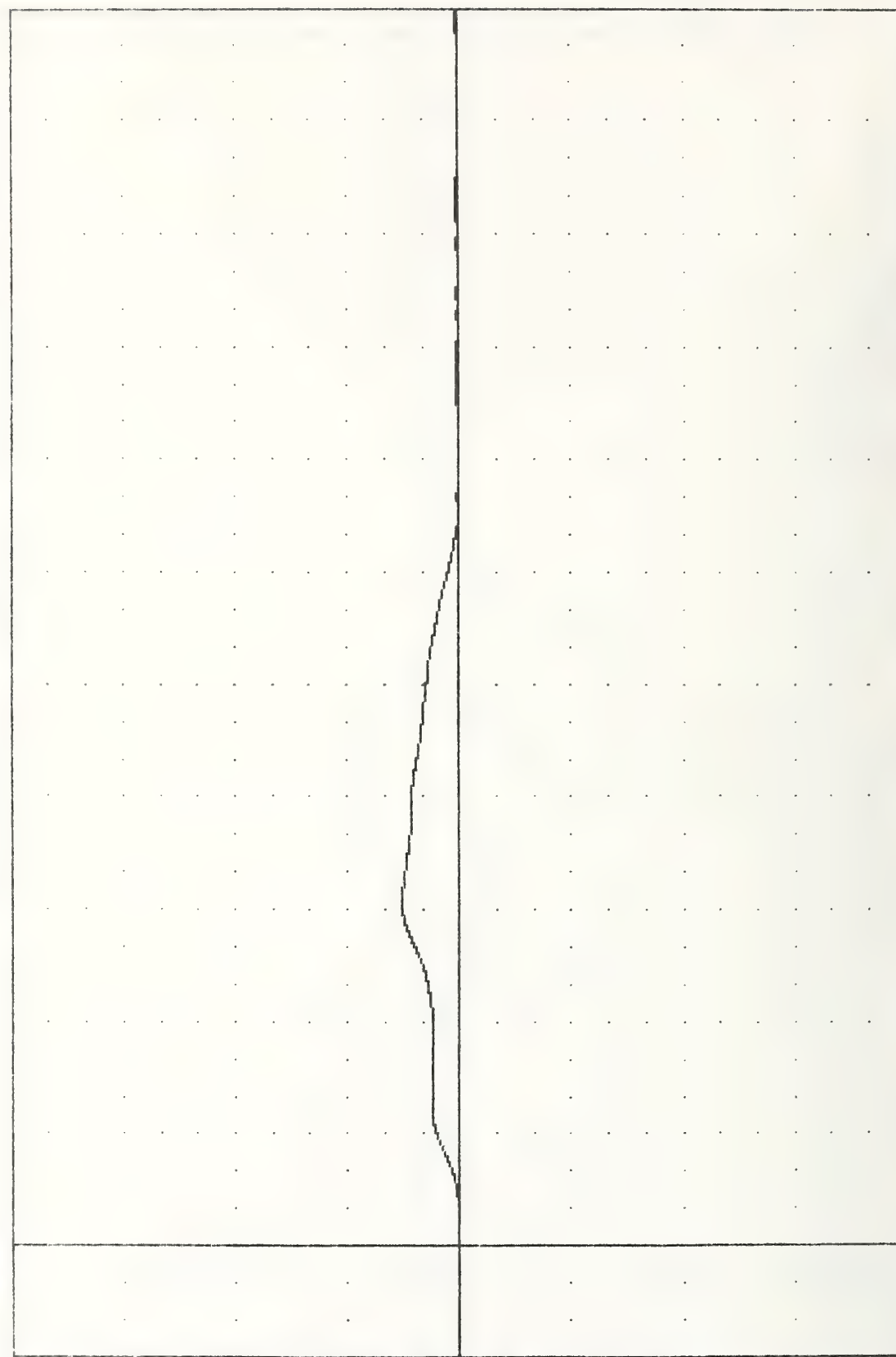
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUP RECUANT

VRTC , R0304-4-33
BREED AIRBAG SLED PROGRAM
85136
LPBAG

PLOT DATE 16-MAY-85 16:15:27

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.03e 129.50, 25.59 e 61.50

ACCELERATION (G)



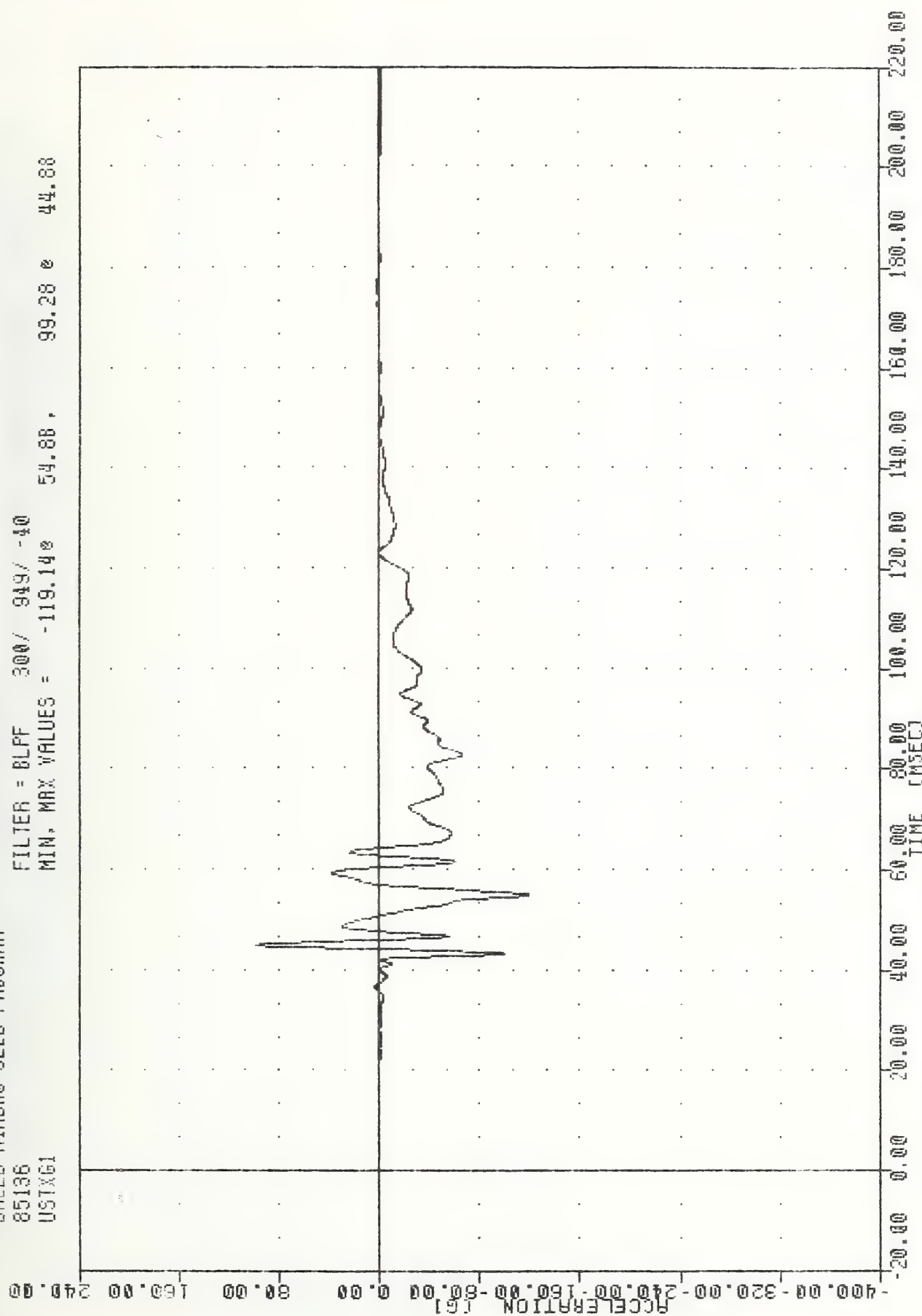
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT 2 RESULTANT

VRIC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85136
USTXG1

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -119.14 54.88 99.28 44.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

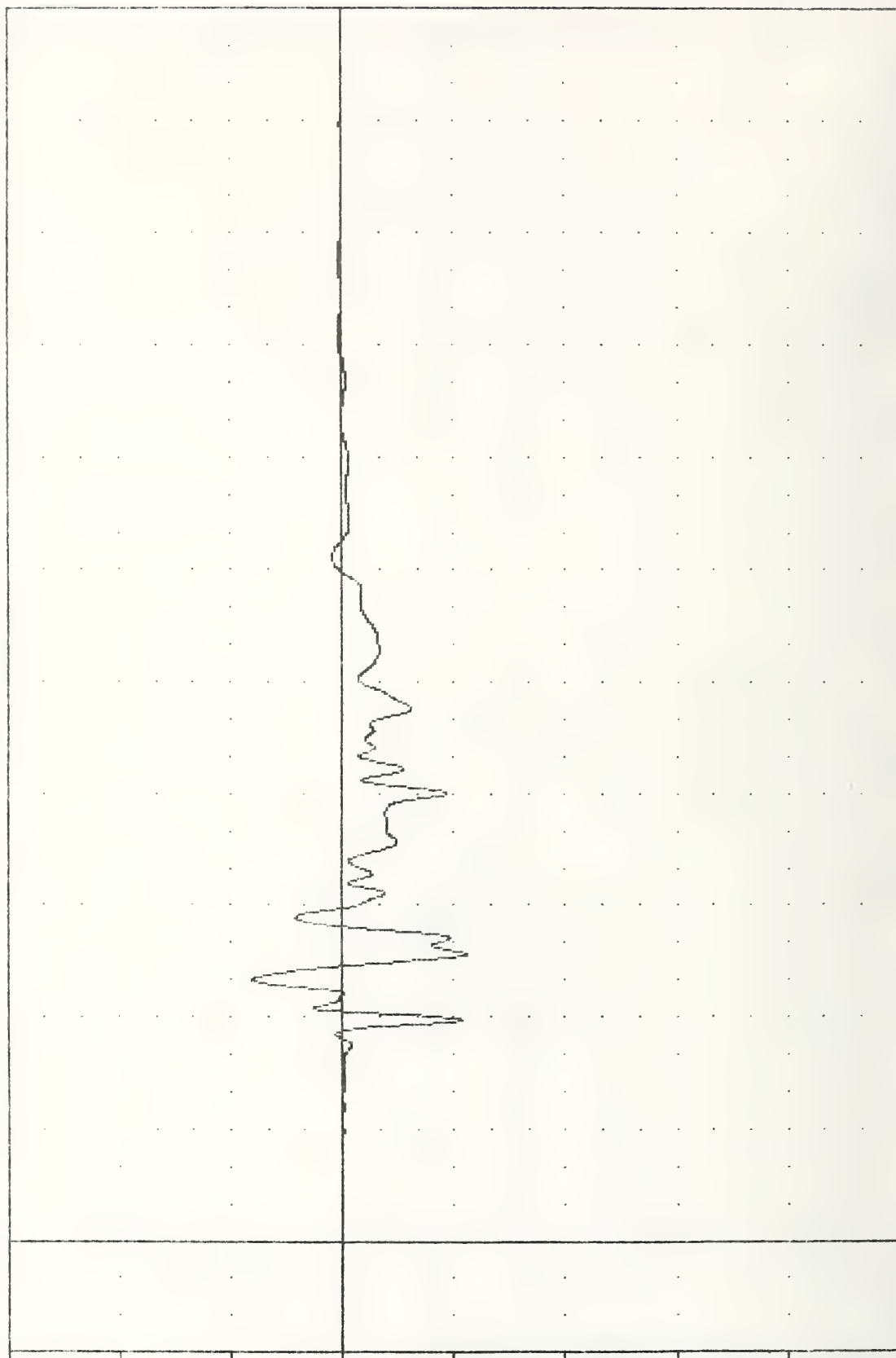
VRTC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85136
LSTX61

PLST DATE 15-MAY-85 16:11:57

FILTER = BLPF 3007 949/ -40

MIN. MAX VALUES = -90.17 51.25 64.74 46.63

ACCELERATION (G)



220

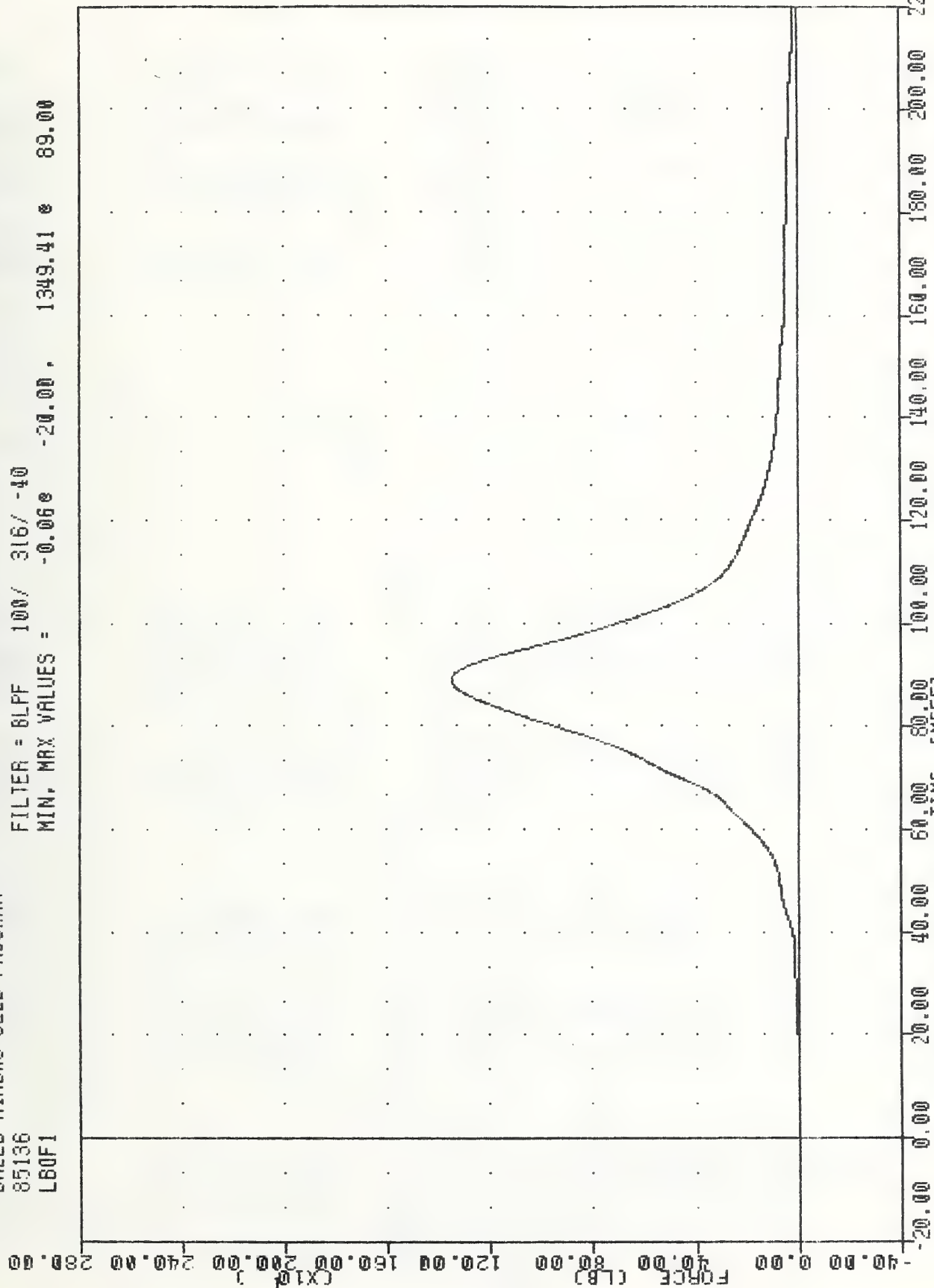
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

WRIC , 80384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 LB0F1

PLOT DATE 16-MAY-85 16:11:57

FILTER = 8LPF 100/ 316/ -40

MIN, MAX VALUES = -0.06e -20.00, 1349.41 e 89.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER LAP BELT FORCE LBS

TRC441P. RAD: 1
VRTC
85137

RD384-4-34 BREED AIRBAG SLED PROGRAM
35.00 mph

17-MAY-85 15:43

	EVENT	Min value		Max value		Data Units		Filter	
1	EVENT	0.051 @	40.500	1.618 @	-19.500 msec			ALPF	1650/ 5214/ -40
2	SLDXV	-38.259 @	132.625	0.120 @	-8.500 msec			ALPF	100/ 316/ -40
3	SLDXG	-25.693 @	57.625	1.165 @	130.250 msec			BLPF	100/ 316/ -40
4	HEDXG1	-34.164 @	104.625	3.153 @	215.375 msec			ALPF	1650/ 5214/ -40
5	HEDXG1	-1.376 @	46.500	8.675 @	107.000 msec			ALPF	1650/ 5214/ -40
6	HEDZG1	-3.725 @	145.000	21.036 @	104.500 msec			ALPF	1650/ 5214/ -40
7	CSTXG1	-57.808 @	117.125	4.007 @	156.125 msec			BLPF	300/ 949/ -40
8	CSTYG1	-1.378 @	149.000	3.337 @	115.250 msec			BLPF	300/ 949/ -40
9	CSTZG1	-8.062 @	75.375	4.572 @	54.750 msec			BLPF	300/ 949/ -40
10	USTXG1	-64.219 @	69.000	83.065 @	47.000 msec			BLPF	300/ 949/ -40
11	LSTXG1	-65.720 @	52.750	77.147 @	45.500 msec			BLPF	300/ 949/ -40
12	PEVXG1	-46.676 @	87.125	2.316 @	203.250 msec			BLPF	300/ 949/ -40
13	PEVYG1	-10.910 @	85.625	7.203 @	92.125 msec			BLPF	300/ 949/ -40
14	PEVZG1	-15.714 @	106.375	1.673 @	150.000 msec			BLPF	300/ 949/ -40
15	LFMF1	-1347.903 @	98.000	151.496 @	217.250 msec			BLPF	1000/ 3162/ -40
16	RFMF1	-1554.062 @	85.875	67.012 @	191.750 msec			BLPF	1000/ 3162/ -40
17	STHPG	-185.752 @	94.250	40.001 @	77.250 msec			BLPF	100/ 316/ -40
18	STHLG	-20.762 @	97.750	43.193 @	91.750 msec			BLPF	100/ 316/ -40
19	STHIG	-27.295 @	102.000	67.262 @	95.875 msec			BLPF	100/ 316/ -40
20	LPBKG	-25.338 @	61.000	1.261 @	131.875 msec			BLPF	100/ 316/ -40
21	LPBYG	-2.132 @	83.625	2.333 @	107.000 msec			BLPF	100/ 316/ -40
22	LPBZG	-0.948 @	96.625	2.141 @	103.500 msec			BLPF	100/ 316/ -40
23	ABTP	-2.639 @	46.500	35.542 @	31.000 msec			ALPF	1650/ 5214/ -40
24	ABT1	-3.843 @	27.875	0.004 @	3.250 msec			ALPF	1650/ 5214/ -40
25	ABT2	-2.911 @	27.500	0.004 @	-11.750 msec			ALPF	1650/ 5214/ -40
26	ABT3	-0.024 @	3.625	2.349 @	25.625 msec			ALPF	1650/ 5214/ -40
27	ABT4	-0.491 @	178.625	10.000 @	84.500 msec			ALPF	1650/ 5214/ -40

222

TRC441P. RAD: 1
VRTC
85137

RD384-4-34 BREED AIRBAG SLED PROGRAM
35.00 mph

20-MAY-85 15:53

	EVENT	Min value		Max value		Data Units		Filter	
1	HEDXV1	-49.752 @	220.875	0.404 @	46.625 msec			BLPF	300/ 949/ -40
2	HEDXD1	-67.456 @	220.000	0.140 @	59.875 msec			BLPF	300/ 949/ -40
3	CSTXV1	-47.923 @	137.000	0.232 @	-12.625 msec			BLPF	300/ 949/ -40
4	CSTXD1	-68.481 @	220.000	0.251 @	41.250 msec			BLPF	300/ 949/ -40
5	PEUV1	-40.261 @	142.750	-0.042 @	-20.000 msec			BLPF	300/ 949/ -40
6	PEVXD1	-65.140 @	220.000	-0.018 @	-20.000 msec			BLPF	300/ 949/ -40
7	SLDXV1	-37.947 @	123.125	0.035 @	-16.375 msec			BLPF	300/ 949/ -40
8	SLDXV	-71.009 @	220.000	0.023 @	-4.000 msec			BLPF	300/ 949/ -40
9	STHPV	-34.513 @	127.250	0.444 @	-20.000 msec			BLPF	300/ 949/ -40
10	STHPD	-58.588 @	223.000	0.378 @	11.750 msec			BLPF	300/ 949/ -40
11	LPBXV	-37.295 @	124.625	0.000 @	-20.000 msec			BLPF	300/ 949/ -40
12	LPBXD	-68.812 @	220.000	-0.002 @	-20.000 msec			BLPF	300/ 949/ -40

TRC441P. RAD: 1
VRTC
85137

RD384-4-34 BREED AIRBAG SLED PROGRAM
35.00 mph

17-MAY-85 15:43

	EVENT	Min value		Max value		Data Units		Filter	
1	HEDRG1	0.039 @	-4.625	40.765 @	104.500 msec			ALPF	1650/ 5214/ -40
2	CSTRG1	0.038 @	11.250	57.867 @	117.125 msec			BLPF	300/ 949/ -40
3	PEVRG1	0.076 @	5.625	48.068 @	87.125 msec			BLPF	100/ 316/ -40
4	STHRG	0.032 @	-10.000	193.740 @	94.375 msec			BLPF	100/ 316/ -40
5	LPBRG	0.076 @	-4.875	25.372 @	61.000 msec			BLPF	100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC441RP.RAD;1
VRTC RD384-4-34 BREED AIRBAG SLED PROGRAM
85137 35.00 mph

* * * HIC computation for HEDRG1 17-MAY-85 15:37
Using time range = 0.000 to 176.375 msec Peak accel = 40.77 @ 104.500
HIC = 312.84 Interval from 65.250 [683] to 130.250 [1203]
HIC = 123.14 Interval from 97.375 [940] to 112.375 [1060]

R SYSR:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRT\T\C441RP
File TRC441RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-34 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPRRG

Enter channel name -> CSTRG1
[SLED,BREED]TRC441RP.RAD;1 VRTC RD384-4-34
BREED AIRBAG SLED PROGRAM 85137 17-MAY-85 15:42:48
Deltax: 0.125
3 MS CLIP PEAK: 55.87082

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak

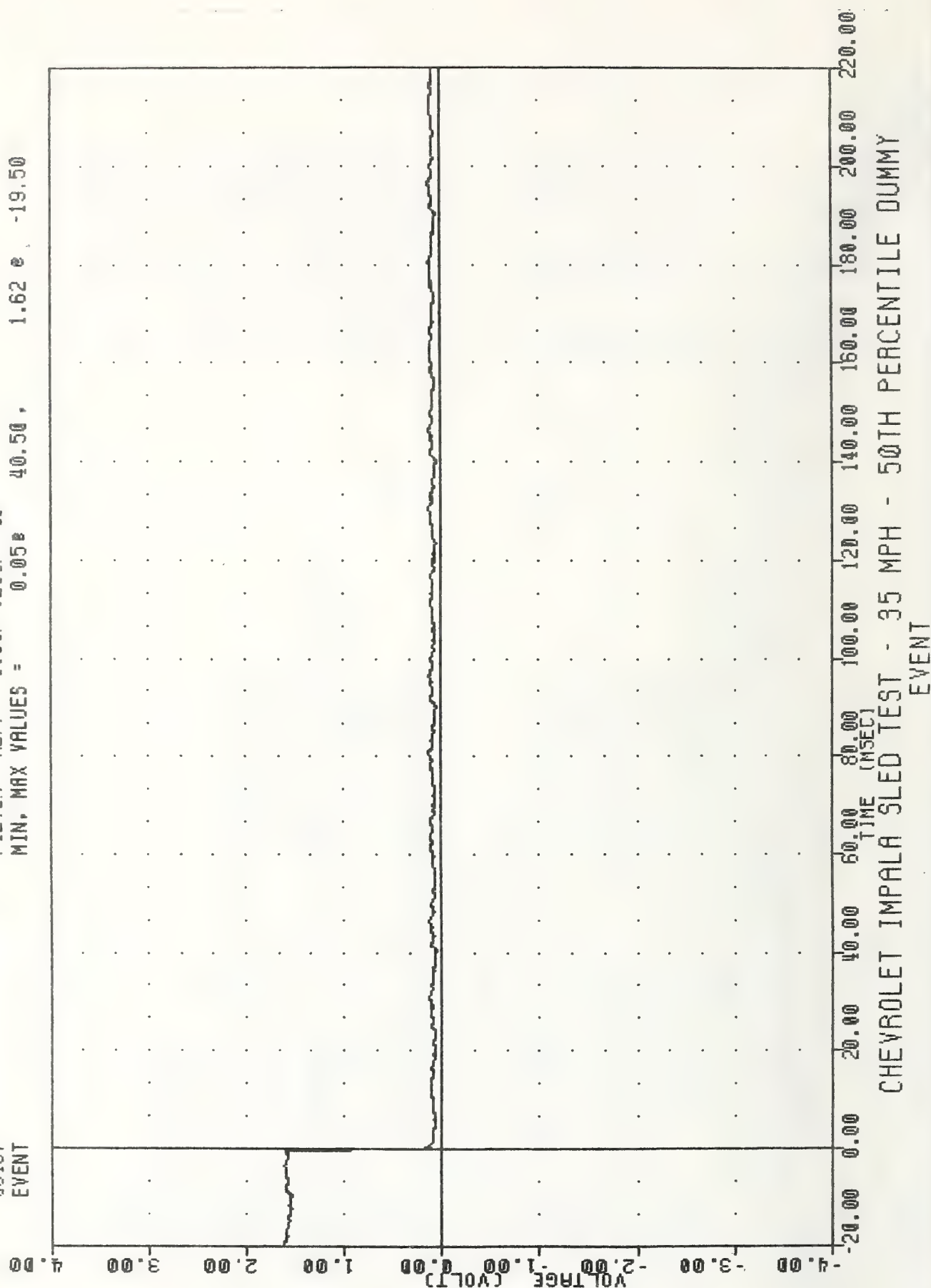
Enter channel name -> ^Z
Enter input filespec -> ^Z
\$

VRTC , R0384-4-34
BREED AIRBAG SLED PROGRAM
85137
EVENT

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.05e 40.50 , 1.62 e -19.50

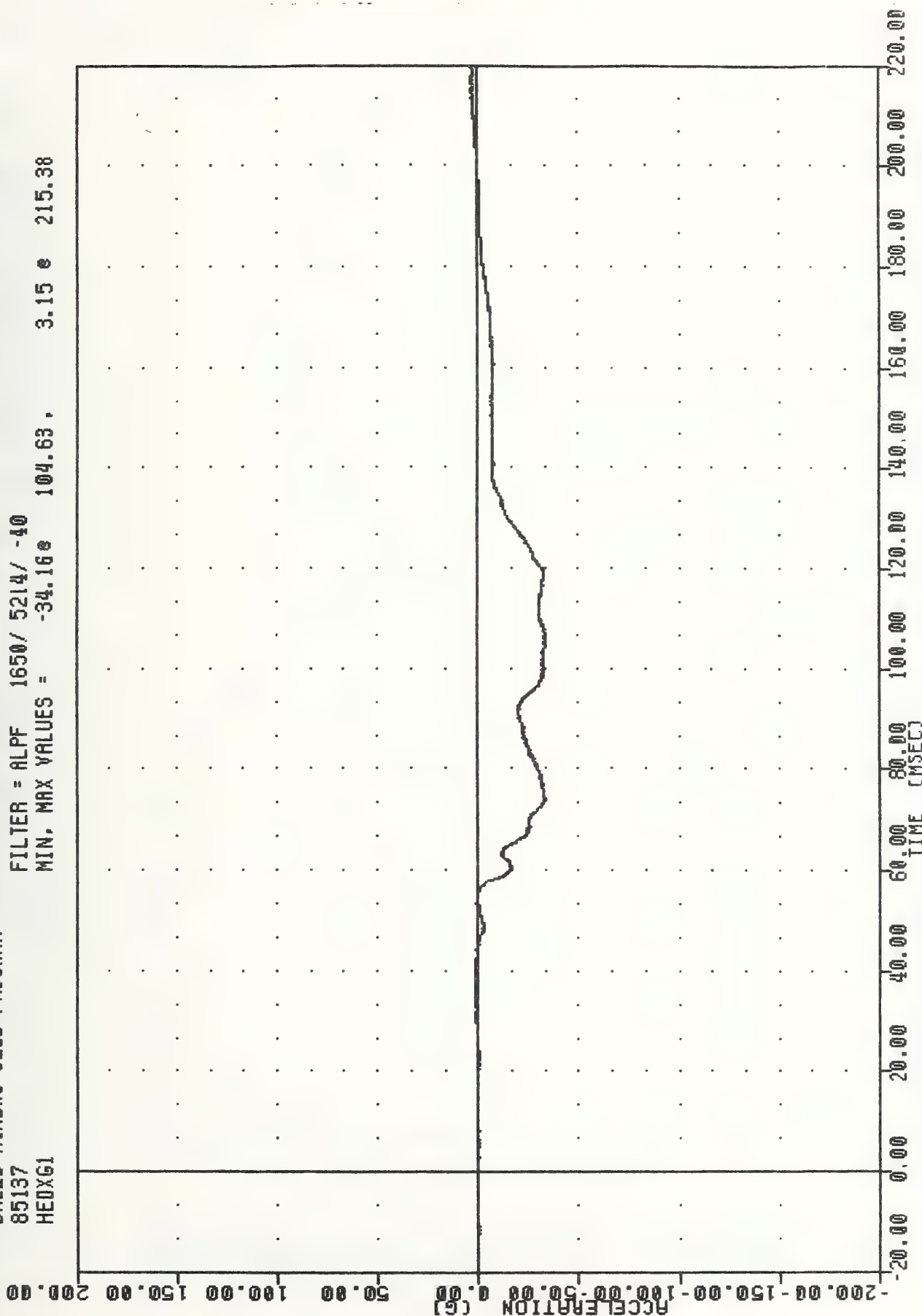


VRIC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 HEDXG1

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -34.16 104.63, 3.15 e 215.38

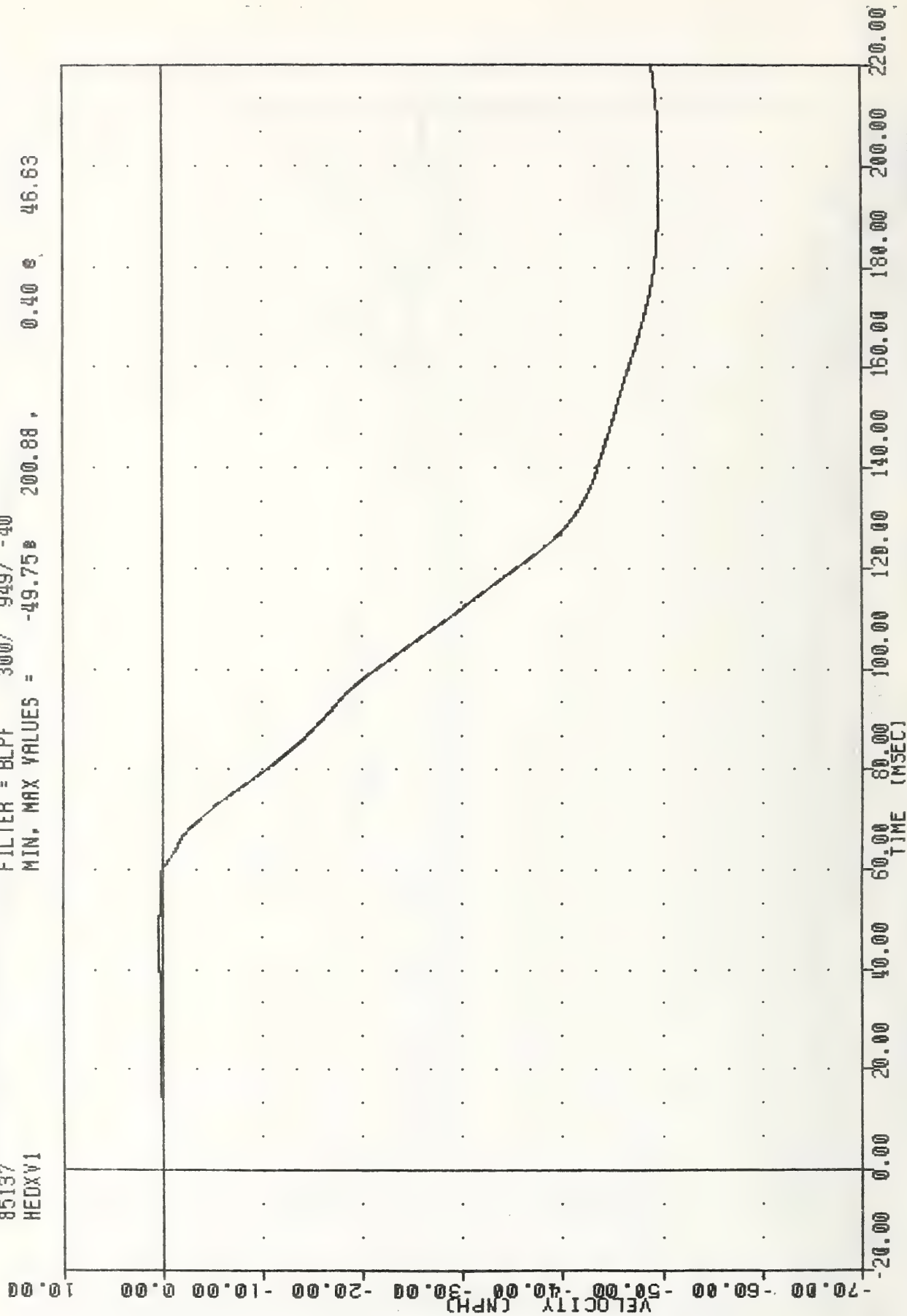


VRTC , RD384-1-34
BREED AIRBAG SLED PROGRAM
85137
HEDXV1

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -49.75 200.88 0.40 46.63



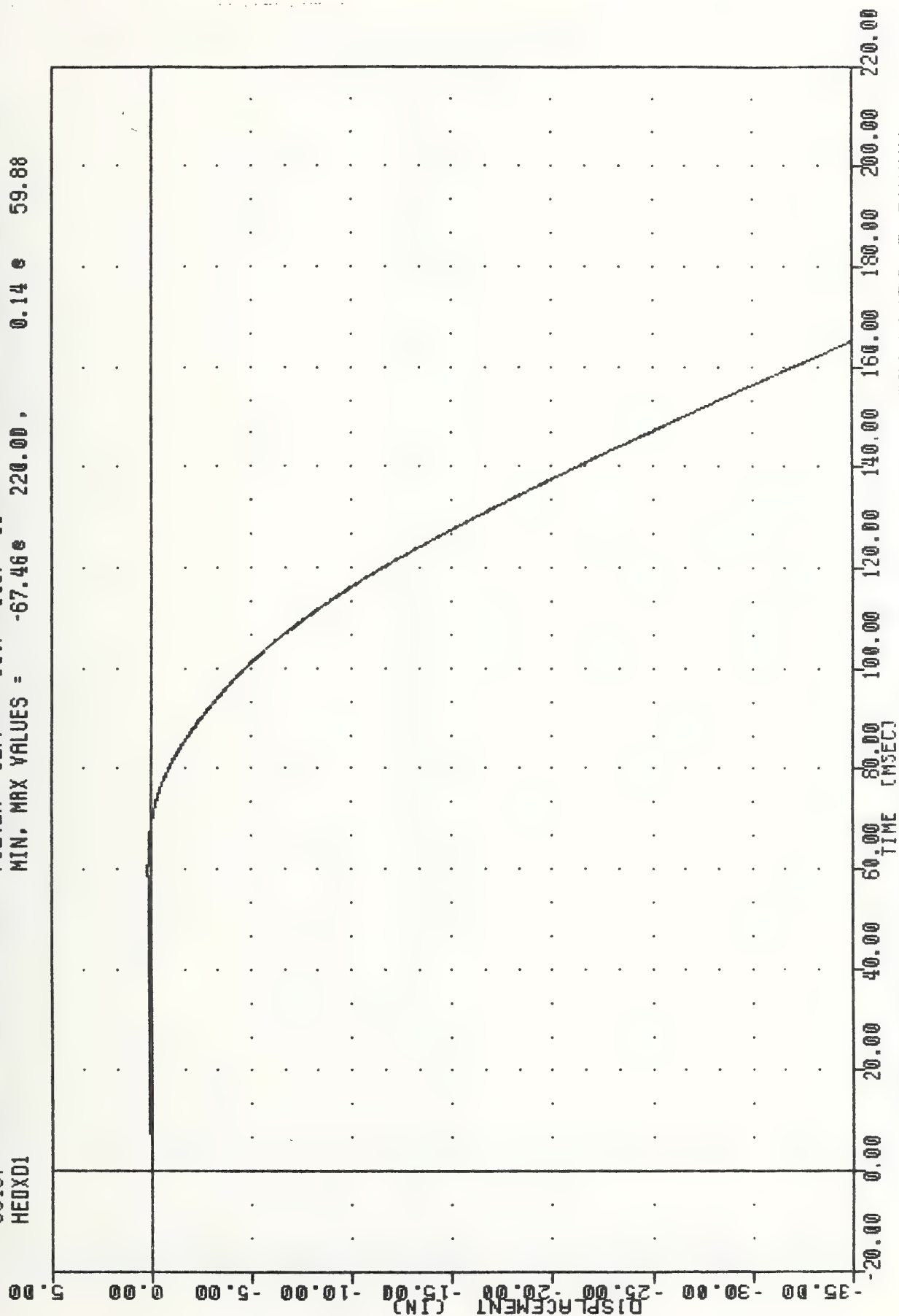
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
HEDXD1

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -67.46e 220.00, 0.14 e 59.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING HEDXV1

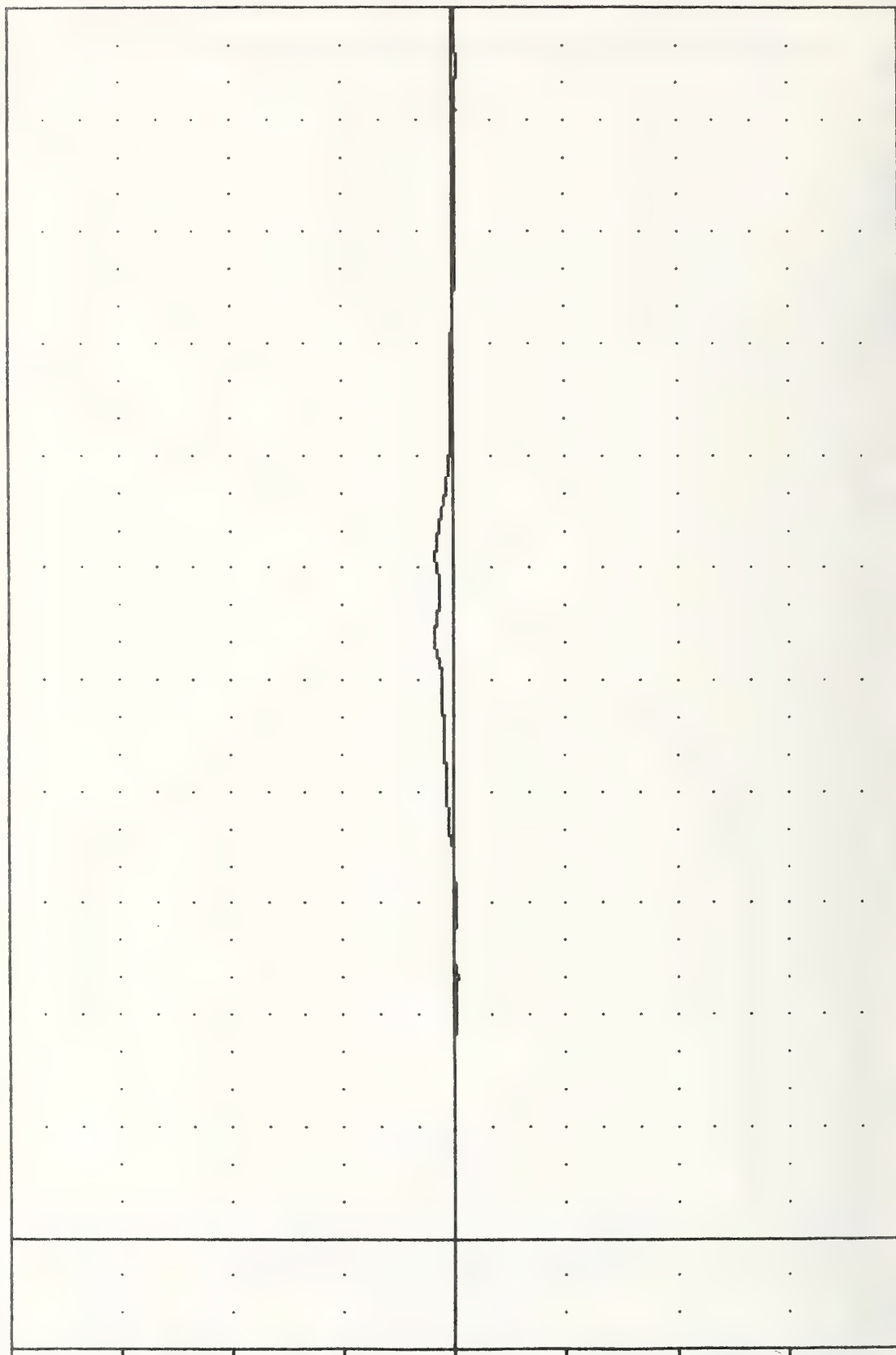
VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
HEDY61

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -1.38e 46.50 , 8.67 e, 107.00

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

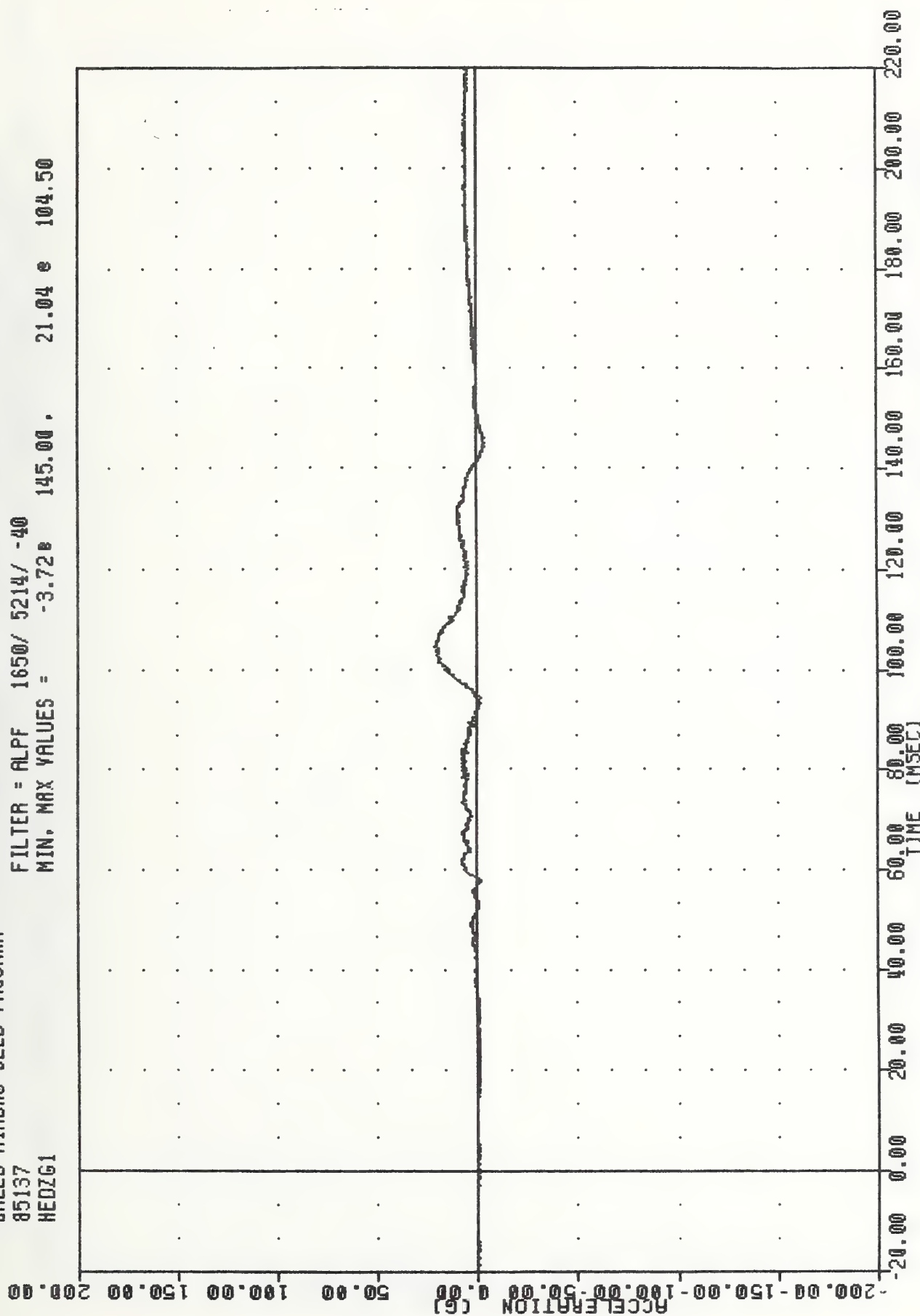
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Y AXIS

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
HEADZG1

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.728 145.00 . 21.04 e 104.50

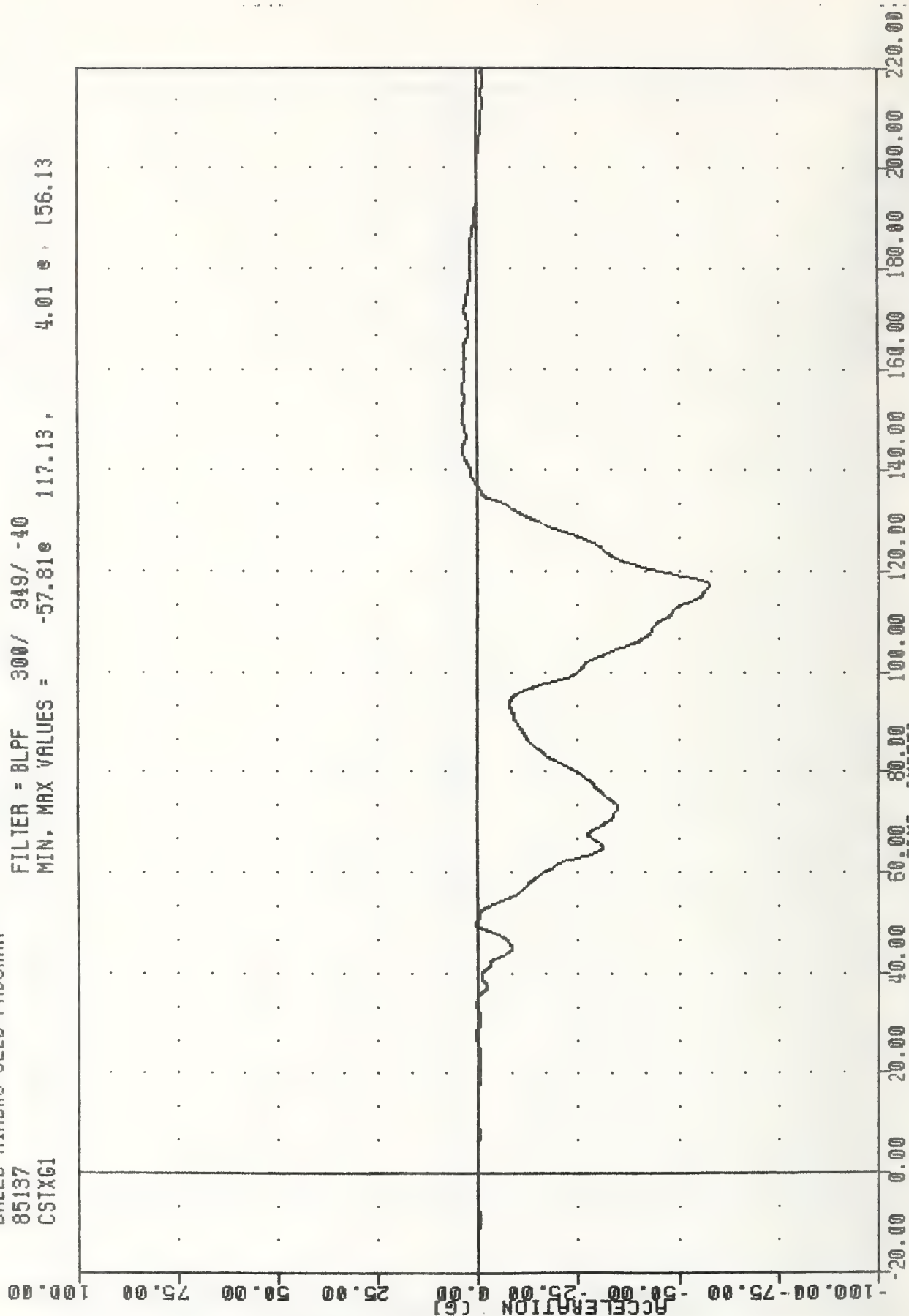


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRIC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
CSTXG1

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -57.81e 117.13, 4.01e 156.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

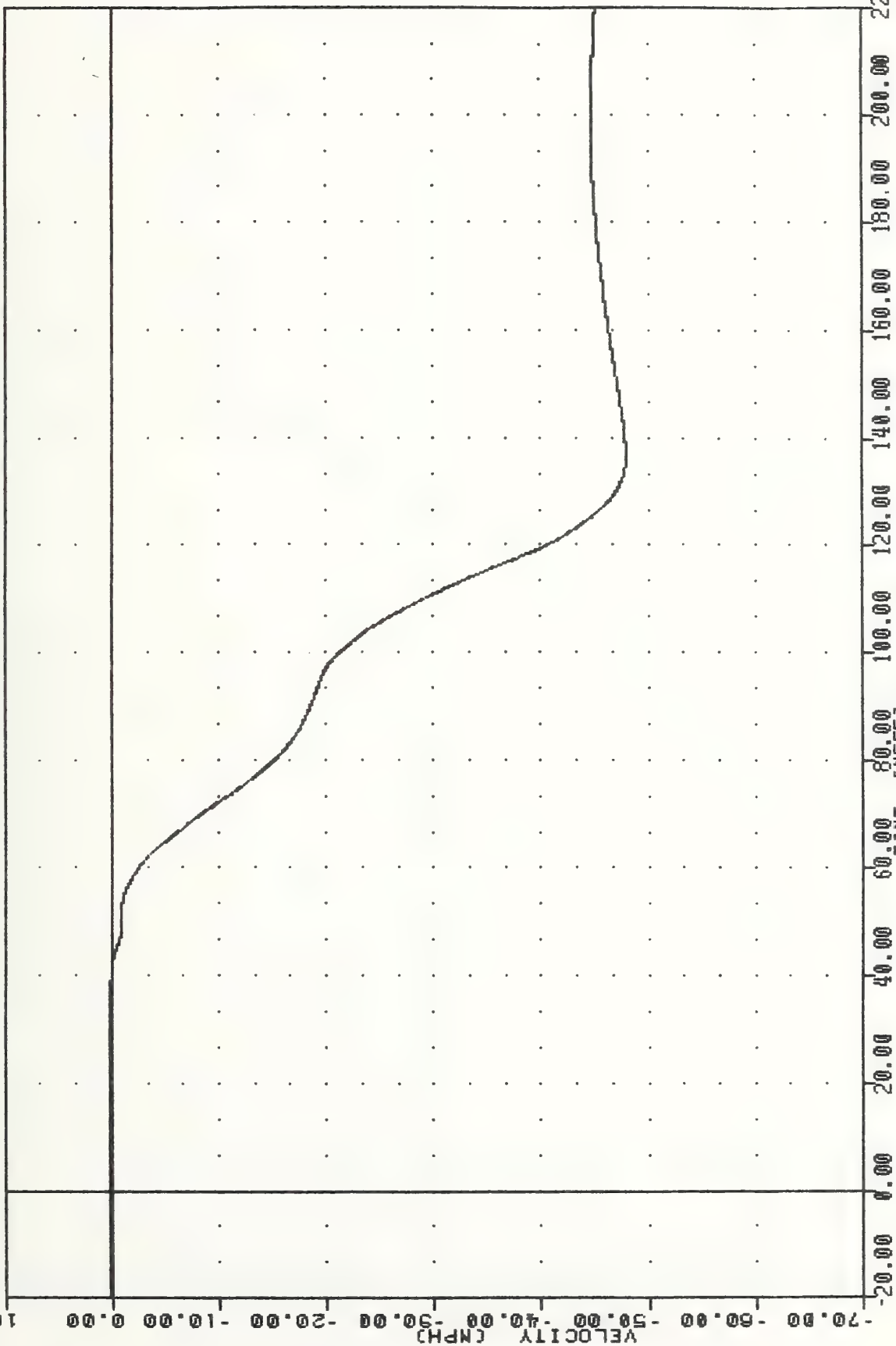
VATC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
CSTXV1

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -47.92 e 137.00 , 0.23 e -12.63

10.00



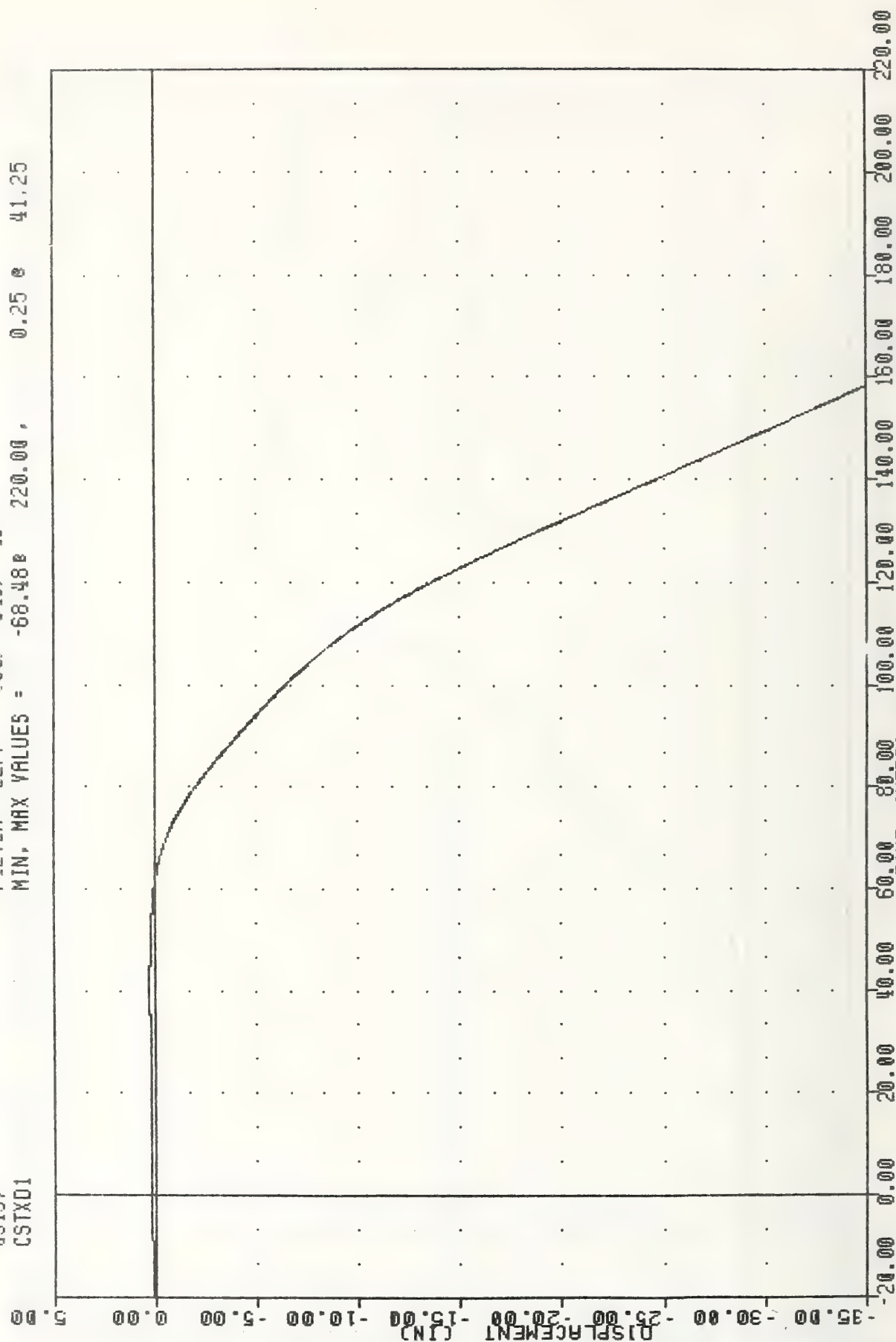
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING CSTXG1

VRTC
BREED AIRBAG SLED PROGRAM
85137
CSTXD1

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -68.48 220.00, 0.25 41.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXV1

PLOT DATE 20-MAY-85 15:50:49

YATC , RD384-4-34

BREED AIRBAG SLED PROGRAM

85137

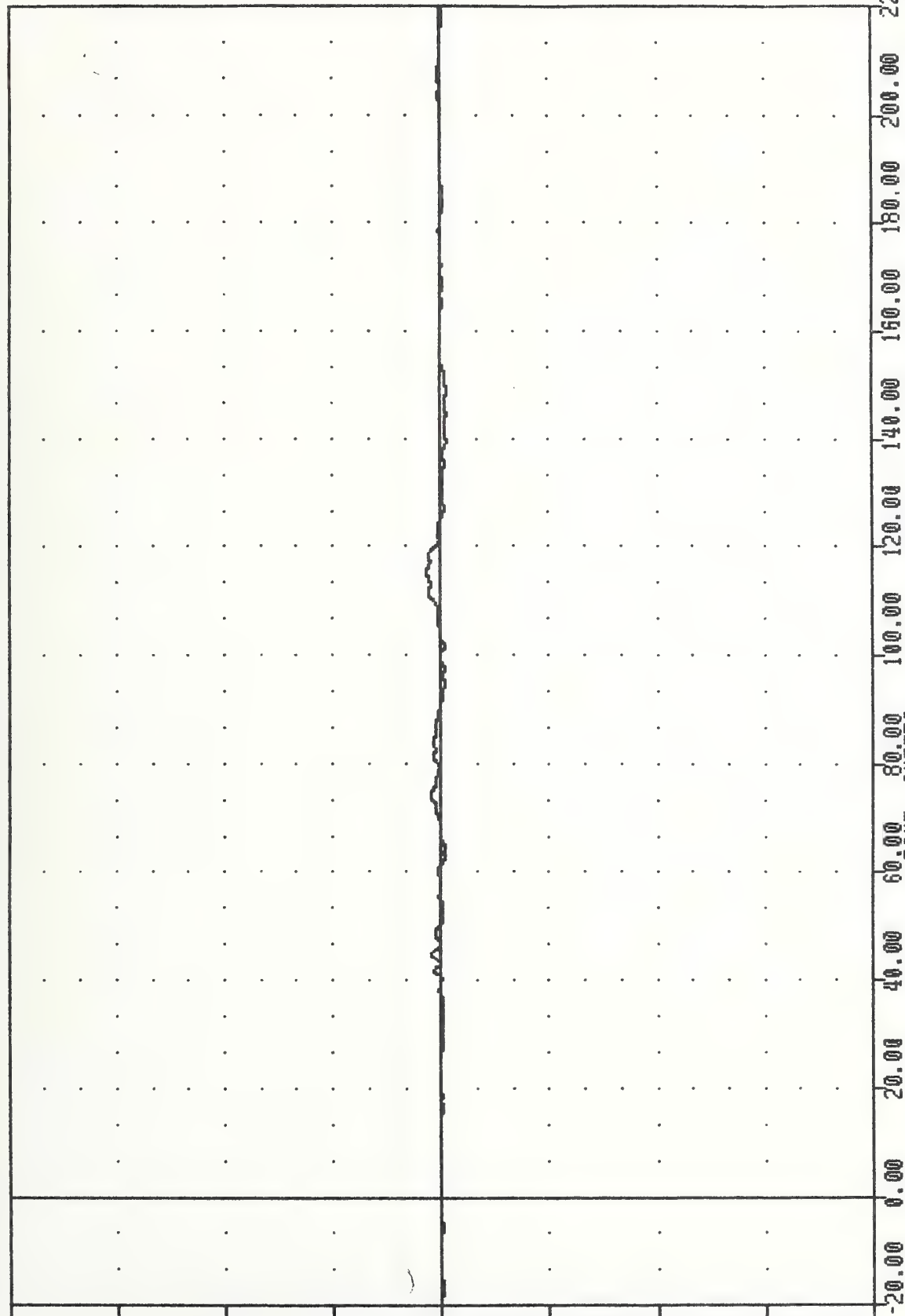
FILTER = BLPF 300/ 949/ -40

CSTY61

MIN, MAX VALUES = -1.38e 149.00 ,

3.34 e 115.25

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
CSTZG1

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -8.06 75.38 ,

4.57 54.75

ACCELERATION (G)

100.00

75.00

50.00

25.00

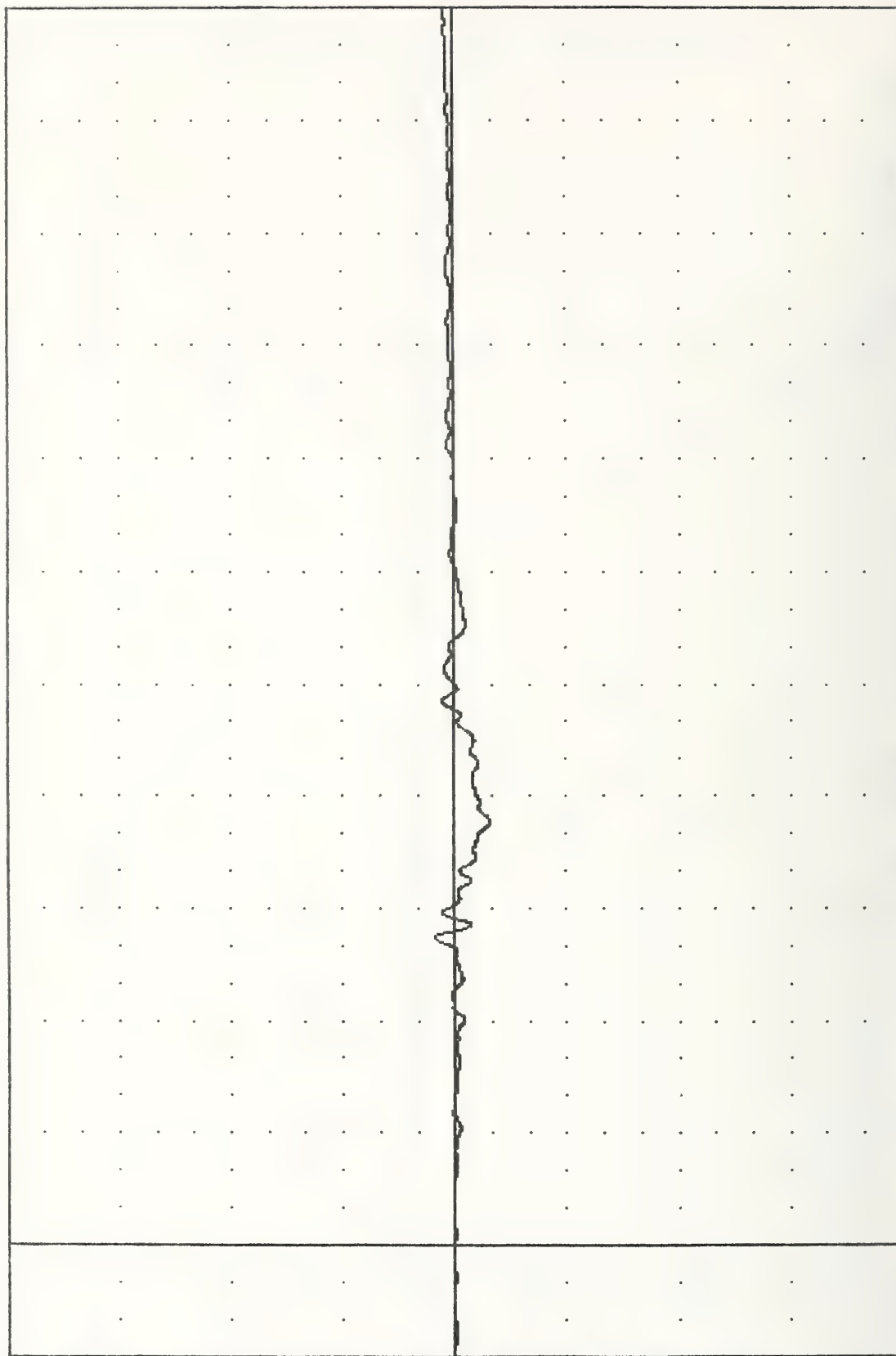
0.00

-25.00

-50.00

-75.00

-100.00



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

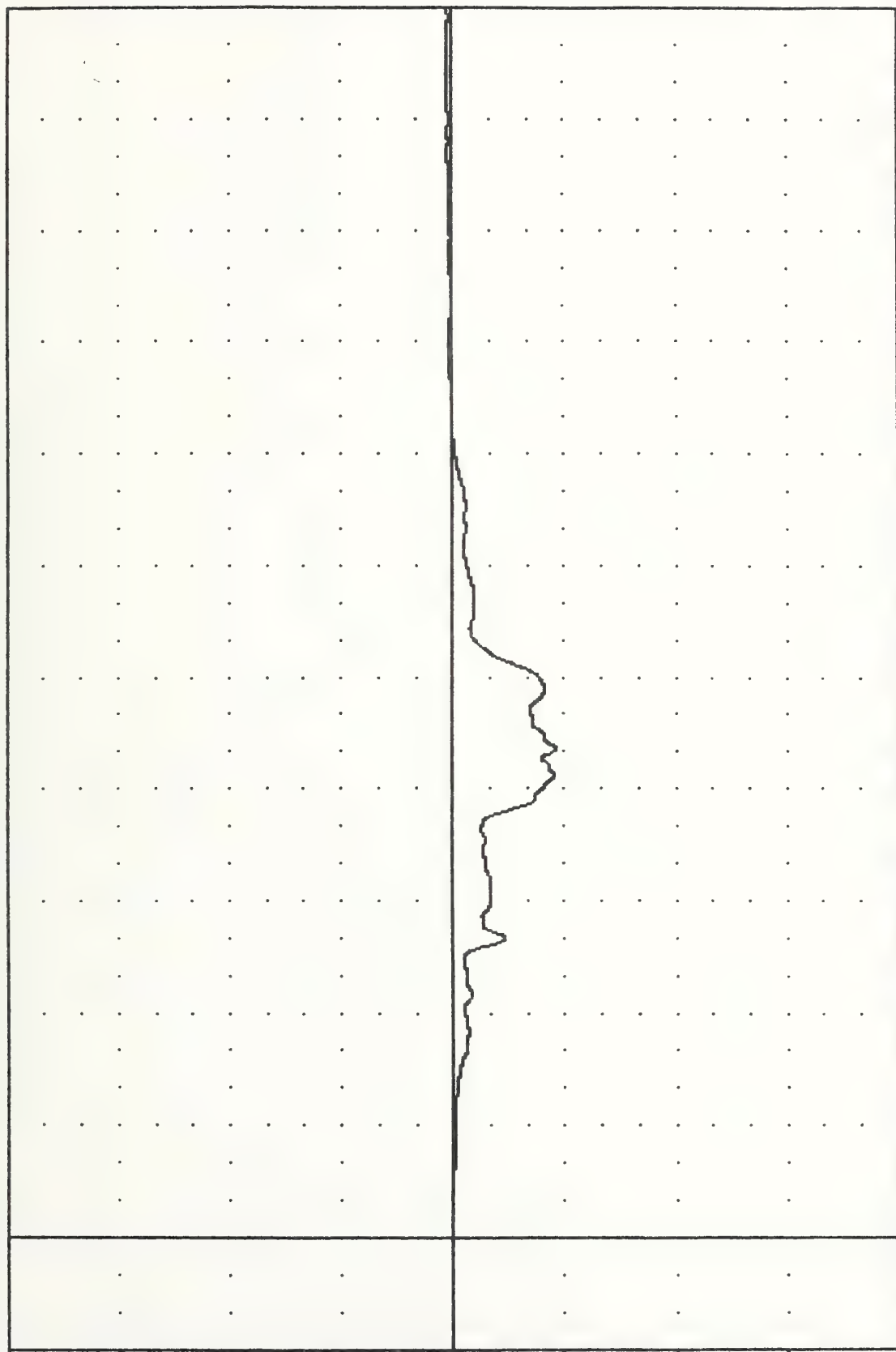
VRTC , R0384-4-34
BREED AIRBAG SLED PROGRAM
85137
PEVXG1

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -46.68 87.13, 2.32 203.25

ACCELERATION (G)



200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

DRIVER PELVIS ACCELERATION X AXIS

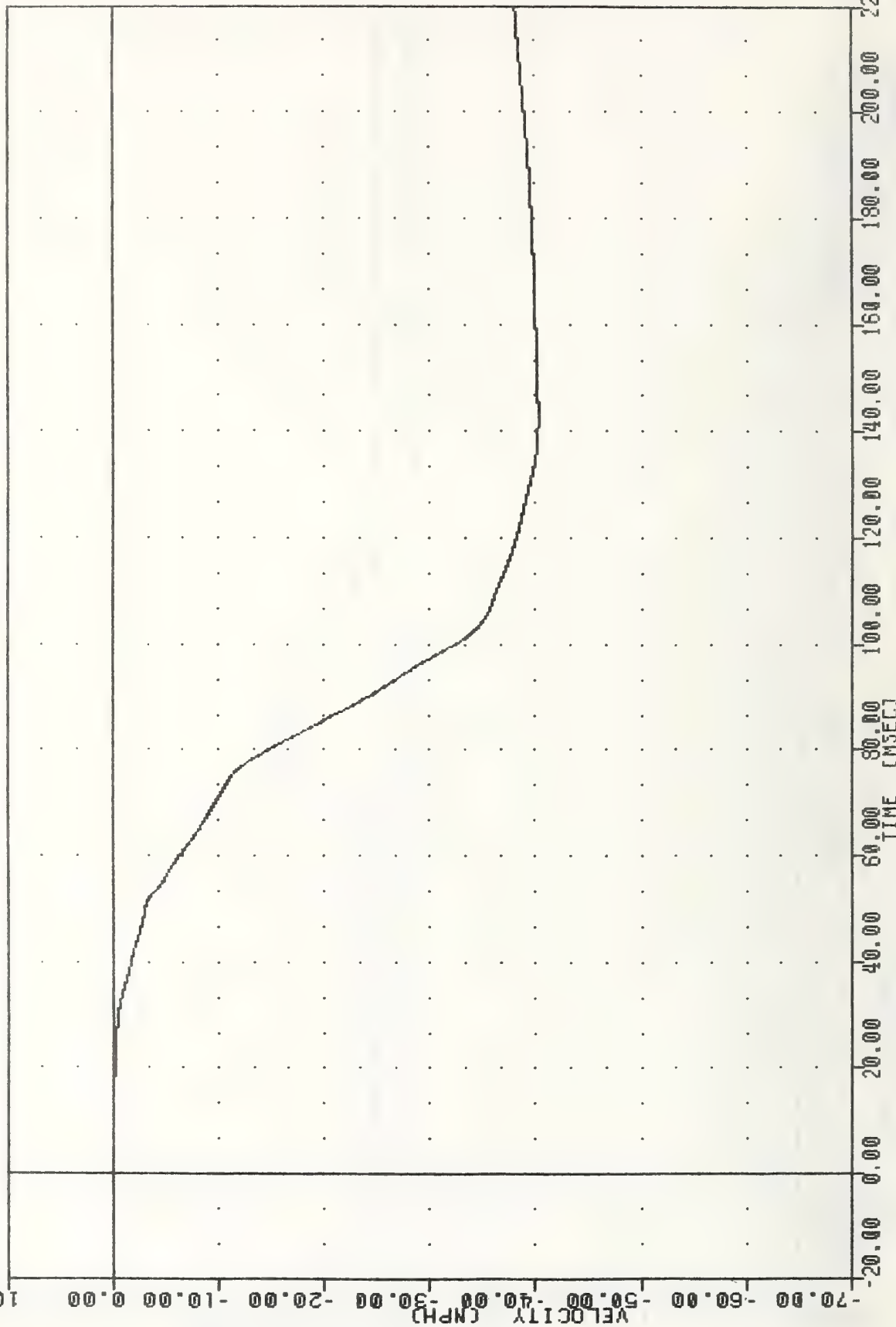
VRIC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 PEVXV1

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -10

MIN. MAX VALUES = -40.26e 142.75 , -0.04 e -20.00

10.00



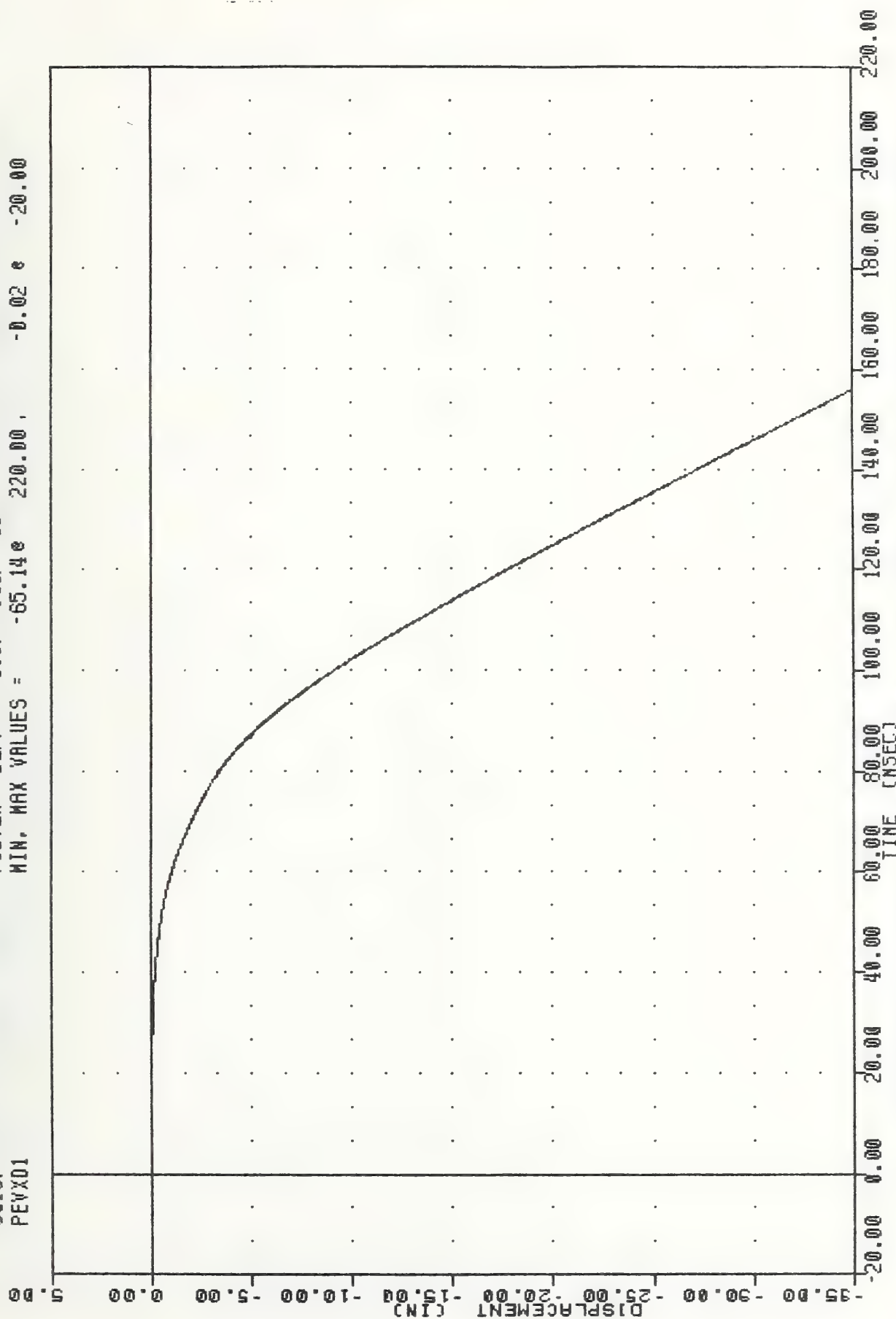
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING PEVXG1

VRATC , RD384-4-34
BRAED AIRBAG SLED PROGRAM
85137
PEVXD1

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

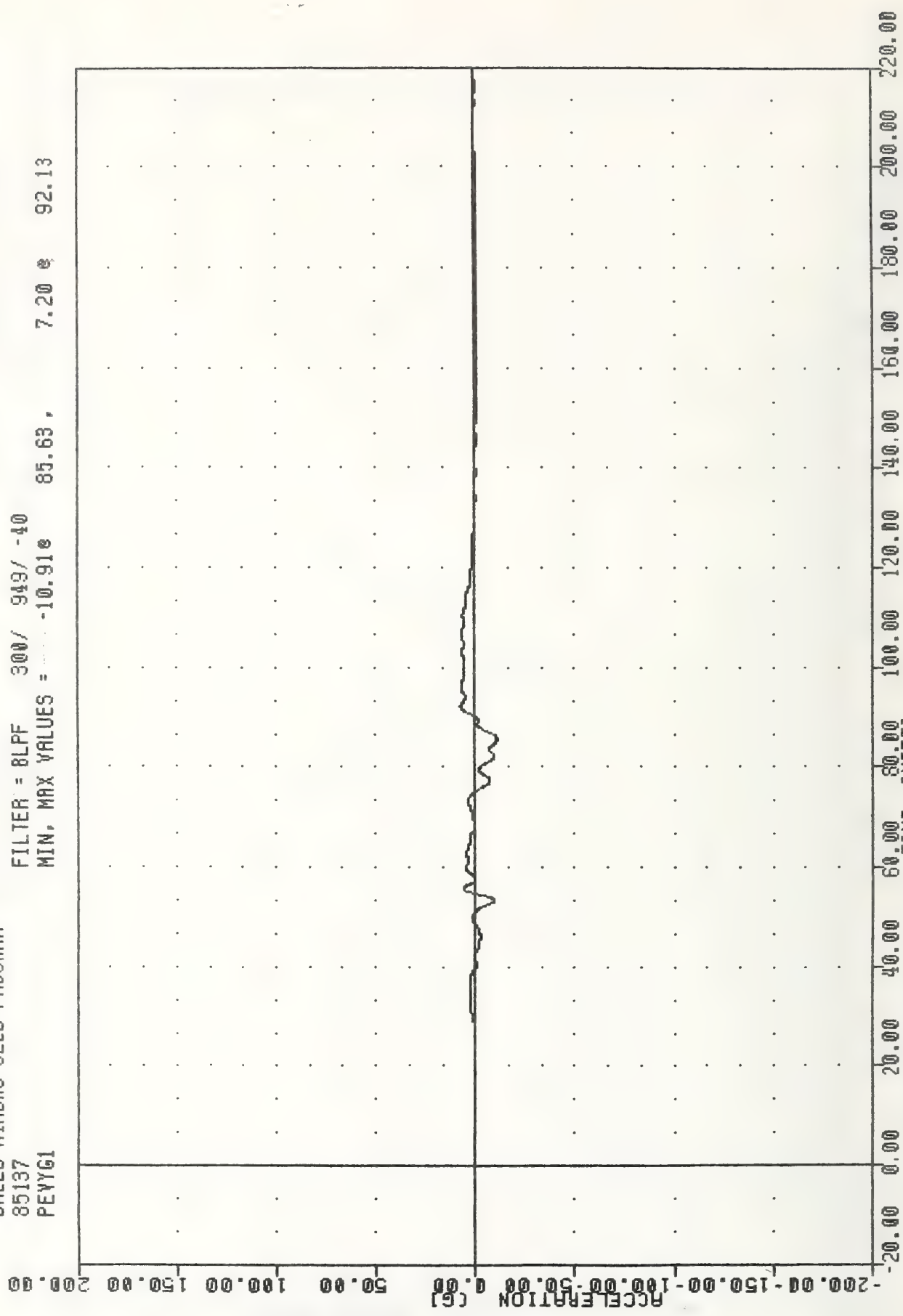
MIN, MAX VALUES = -65.14e 220.00 , -0.02 e -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING PEVXVI

VRTC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 PEYVG1

PLOT DATE 20-MAY-85 15:50:49
 FILTER = 8LPF 300/ 949/ -40
 MIN, MAX VALUES = -10.91e 85.63, 7.20 e 92.13



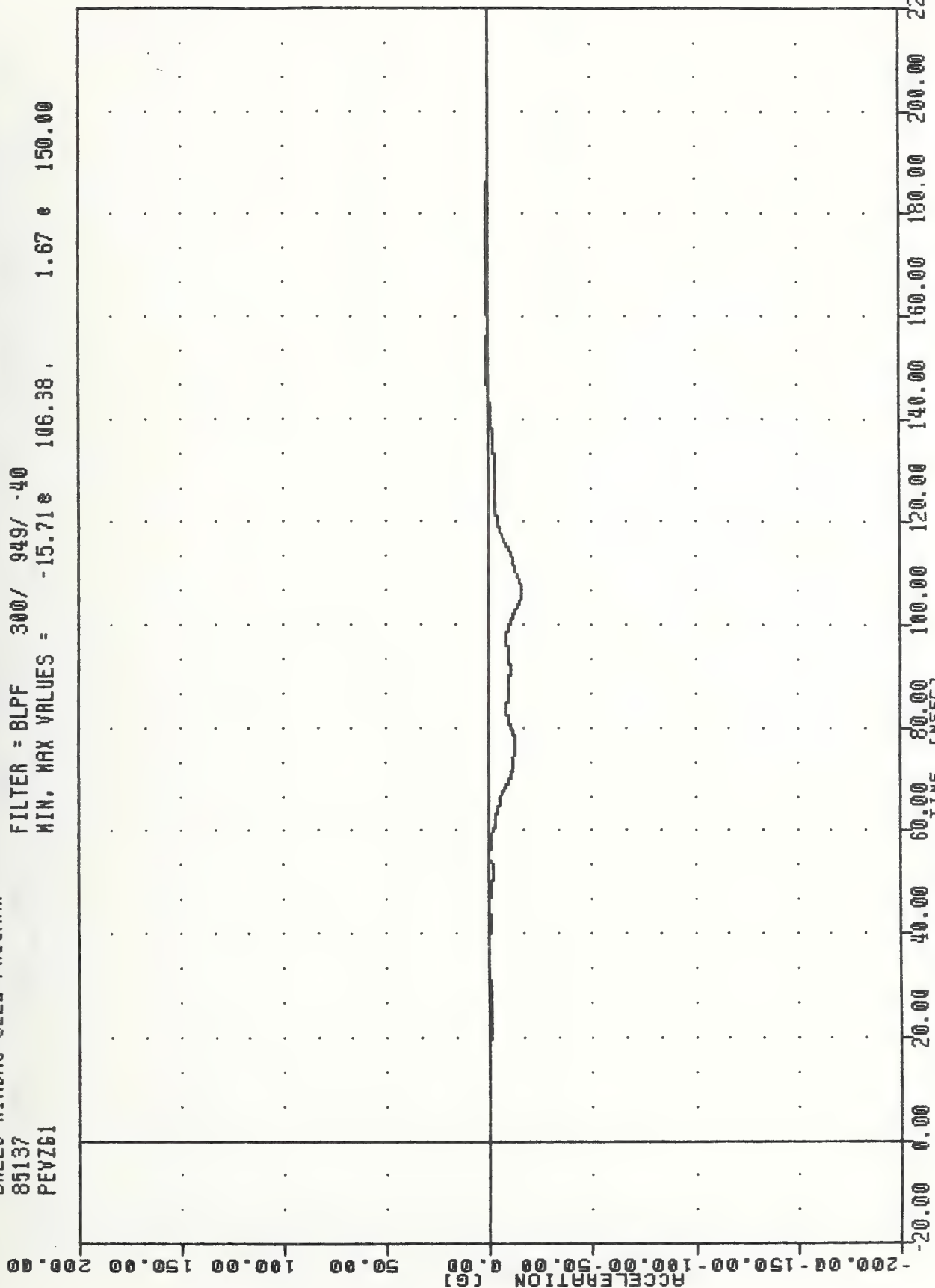
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

VATC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 PEVZ61

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -15.71e 106.38, 1.67 e 150.00



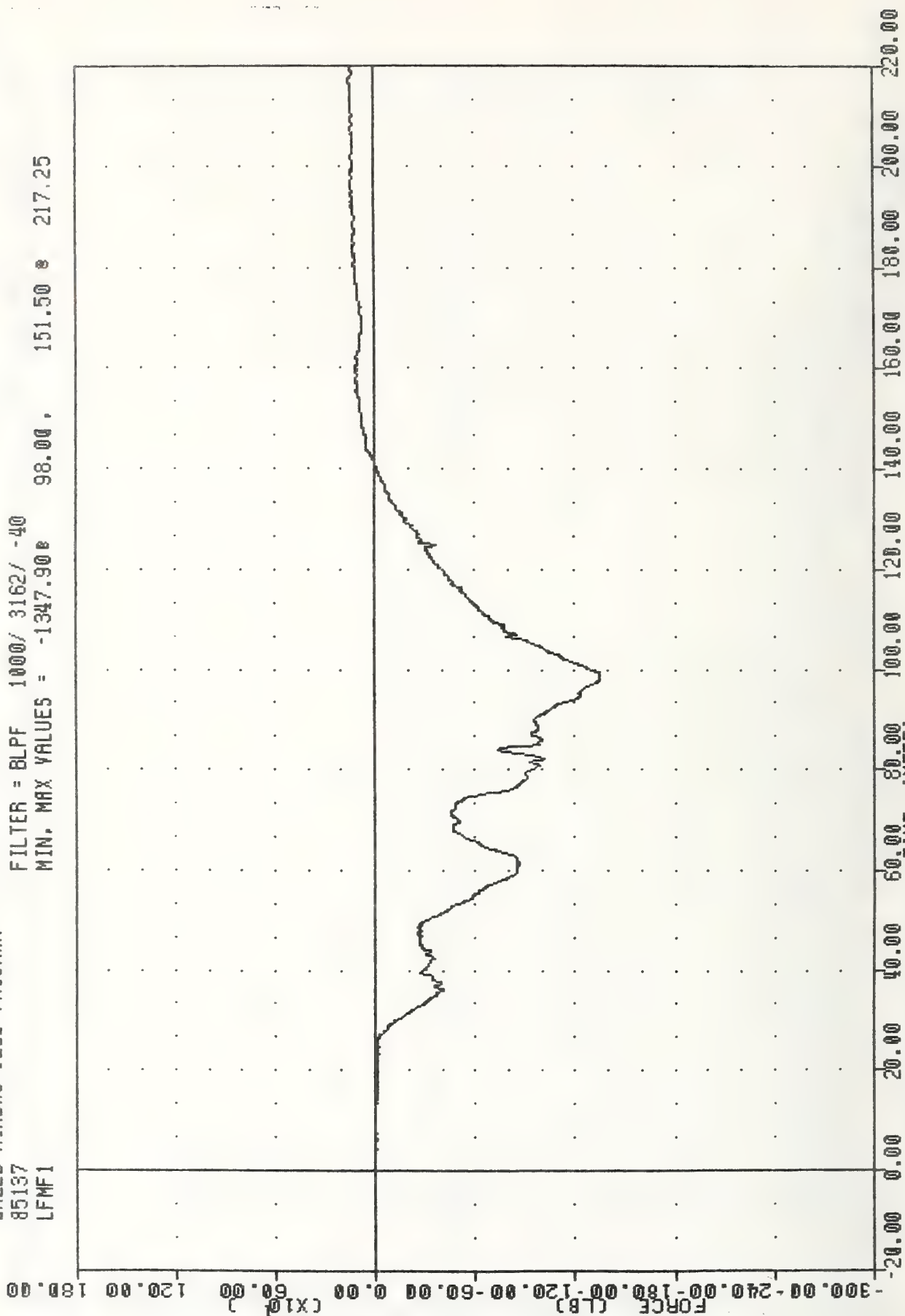
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

VRTC , R0384-4-34
BREED AIRBAG SLED PROGRAM
85137
LFMF1

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -1347.90 98.00, 151.50 217.25



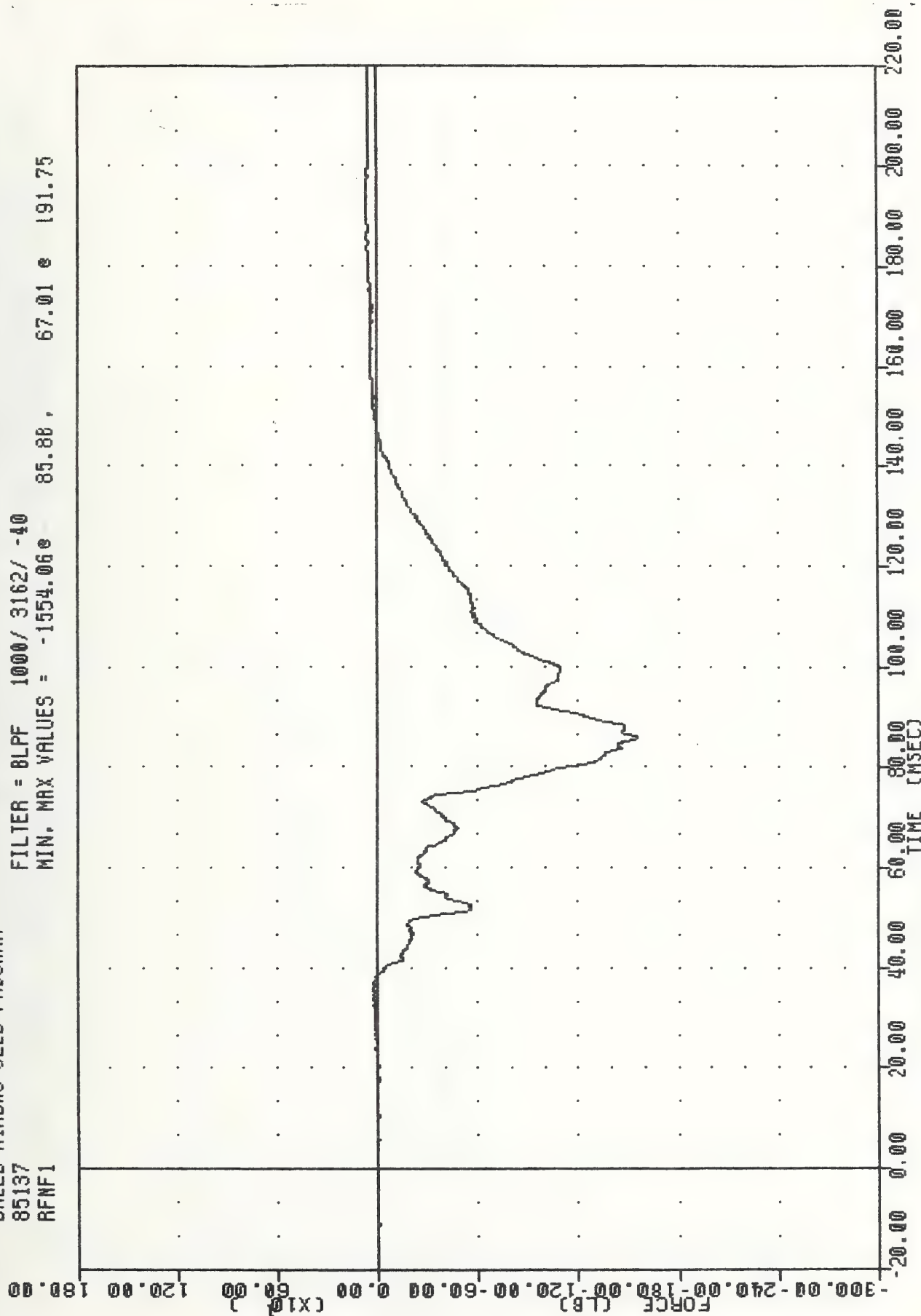
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

VRIC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 RFNF1

PLOT DATE 20-MAY-85 15:50:49

FILTER = 8LPF 1000/ 3162/ -40

MIN. MAX VALUES = -1554.06e 85.88, 67.01 e 191.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER RIGHT FEMUR FORCE

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM

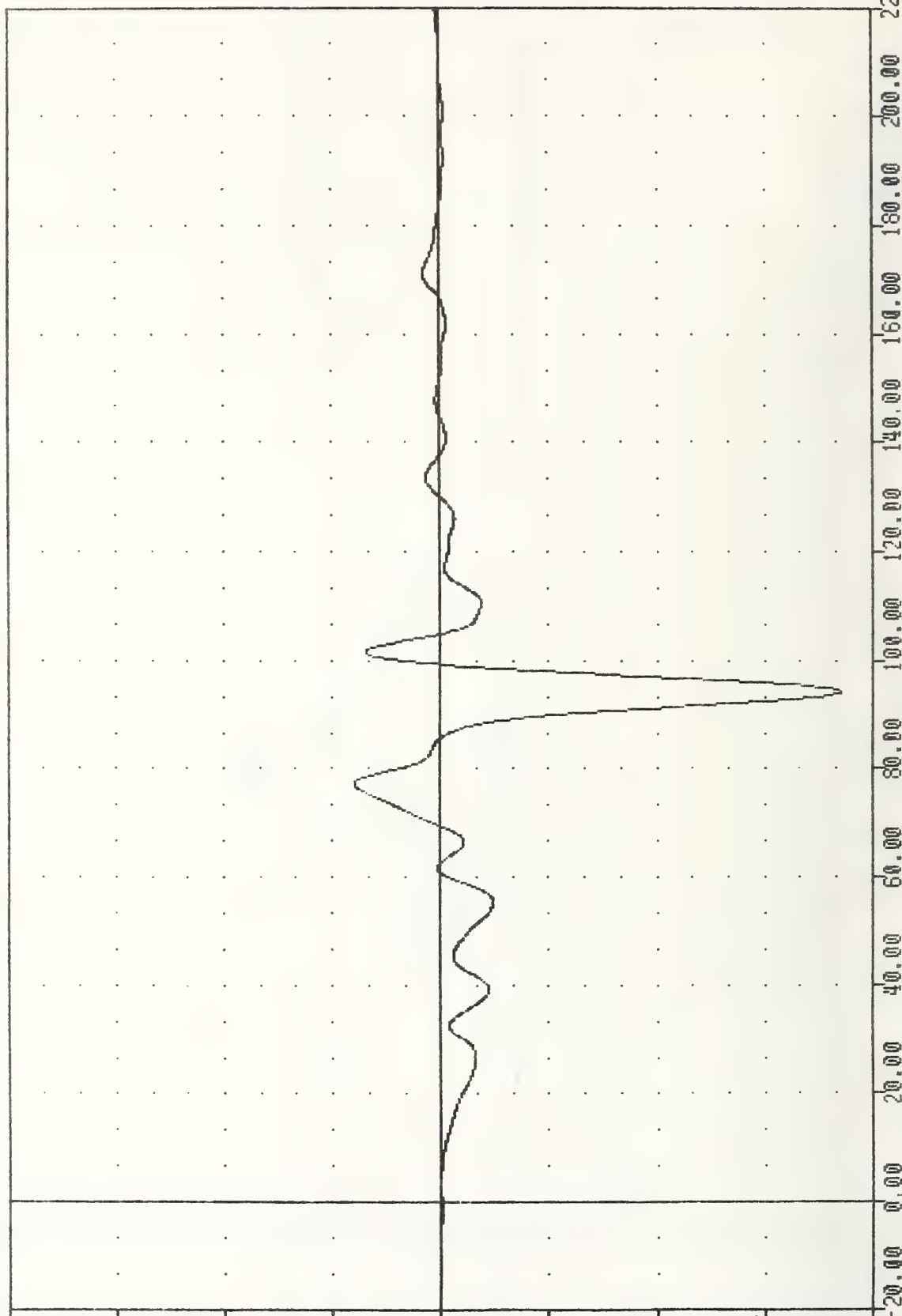
PLOT DATE 20-MAY-85 15:50:49

85137
STHFG

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -185.75e 94.25, 40.00 e 77.25

ACCELERATION (G)



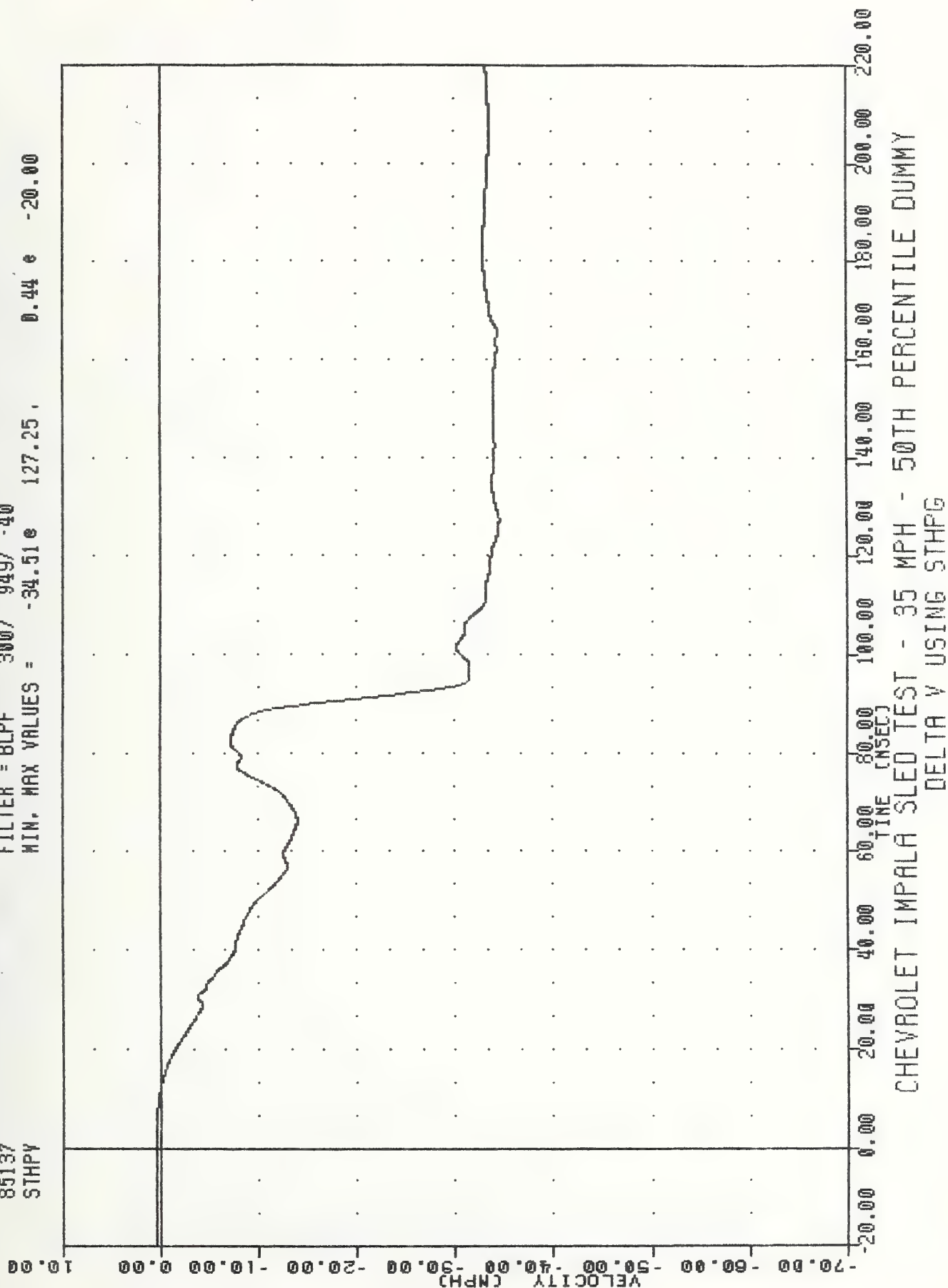
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

WATC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
STHPY

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -34.51e 127.25 , 0.44 e -20.00

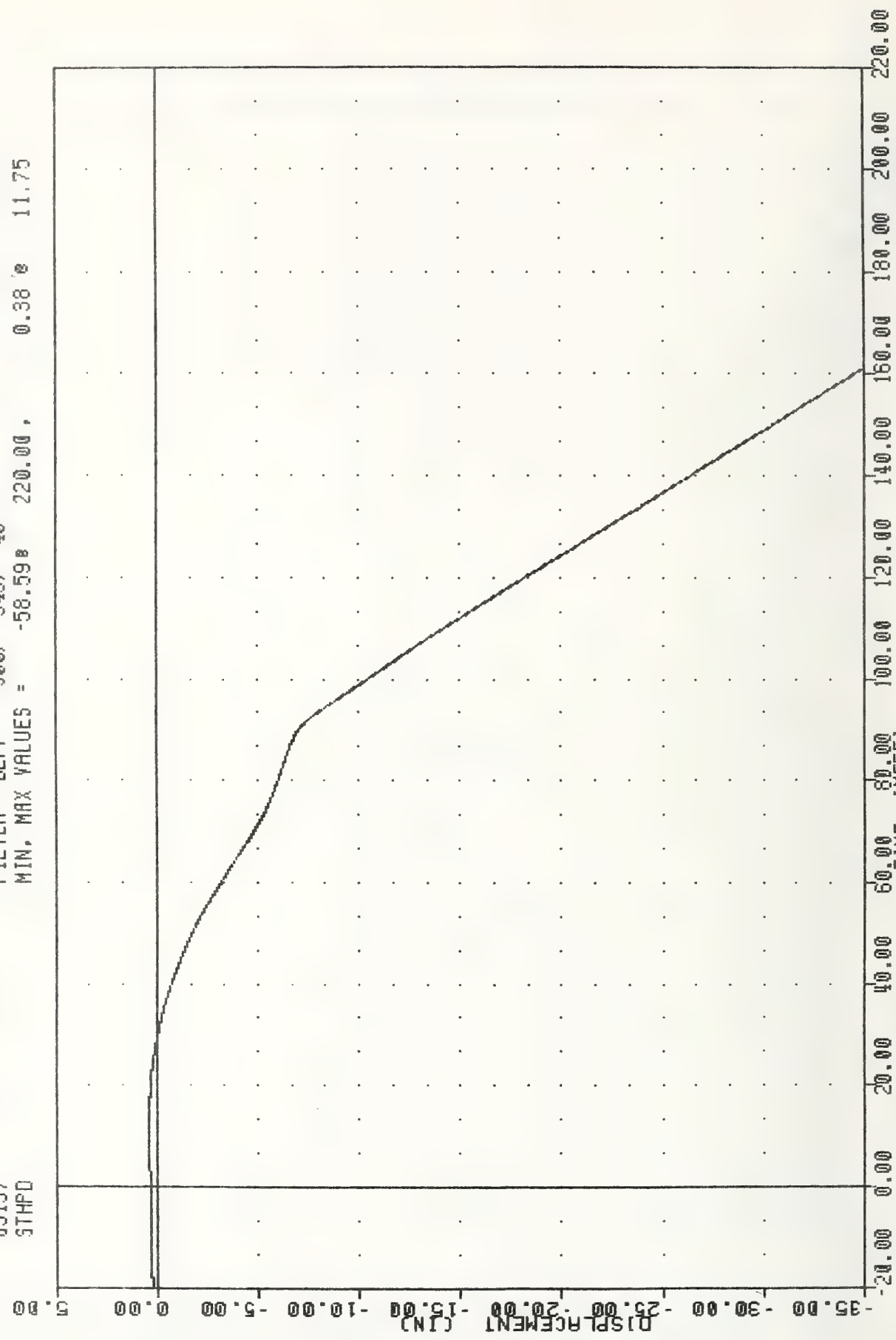


VRTC
BREED AIRBAG SLED PROGRAM
85137
STHPD

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -58.598 220.00, 0.38 11.75



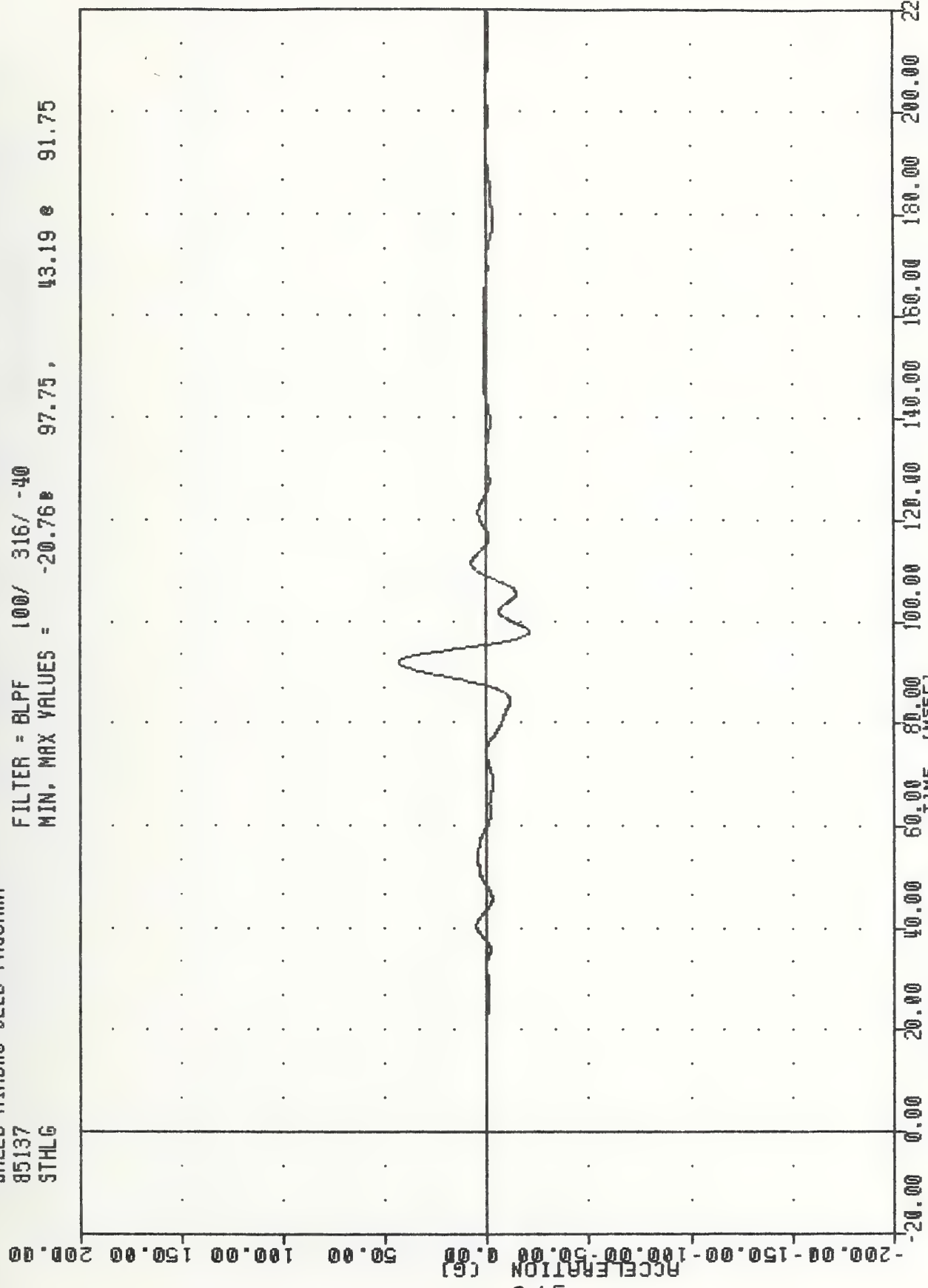
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING STHPV

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
STHLG

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -20.76 97.75, 43.19 91.75



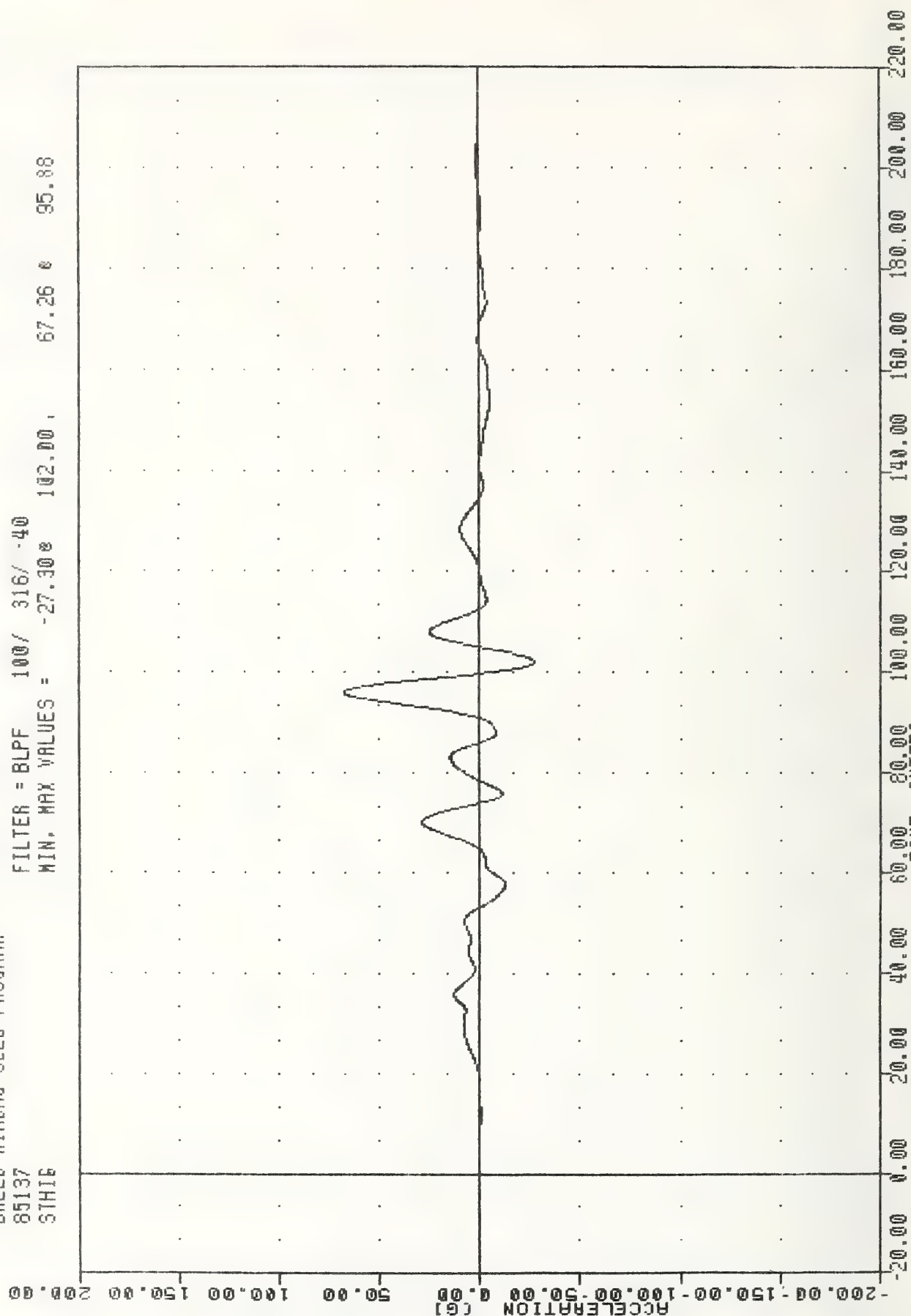
245

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

VRTC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 STH16

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 100/ 316/ -40
 MIN. MAX VALUES = -27.308 102.00 , 67.26 8 95.88



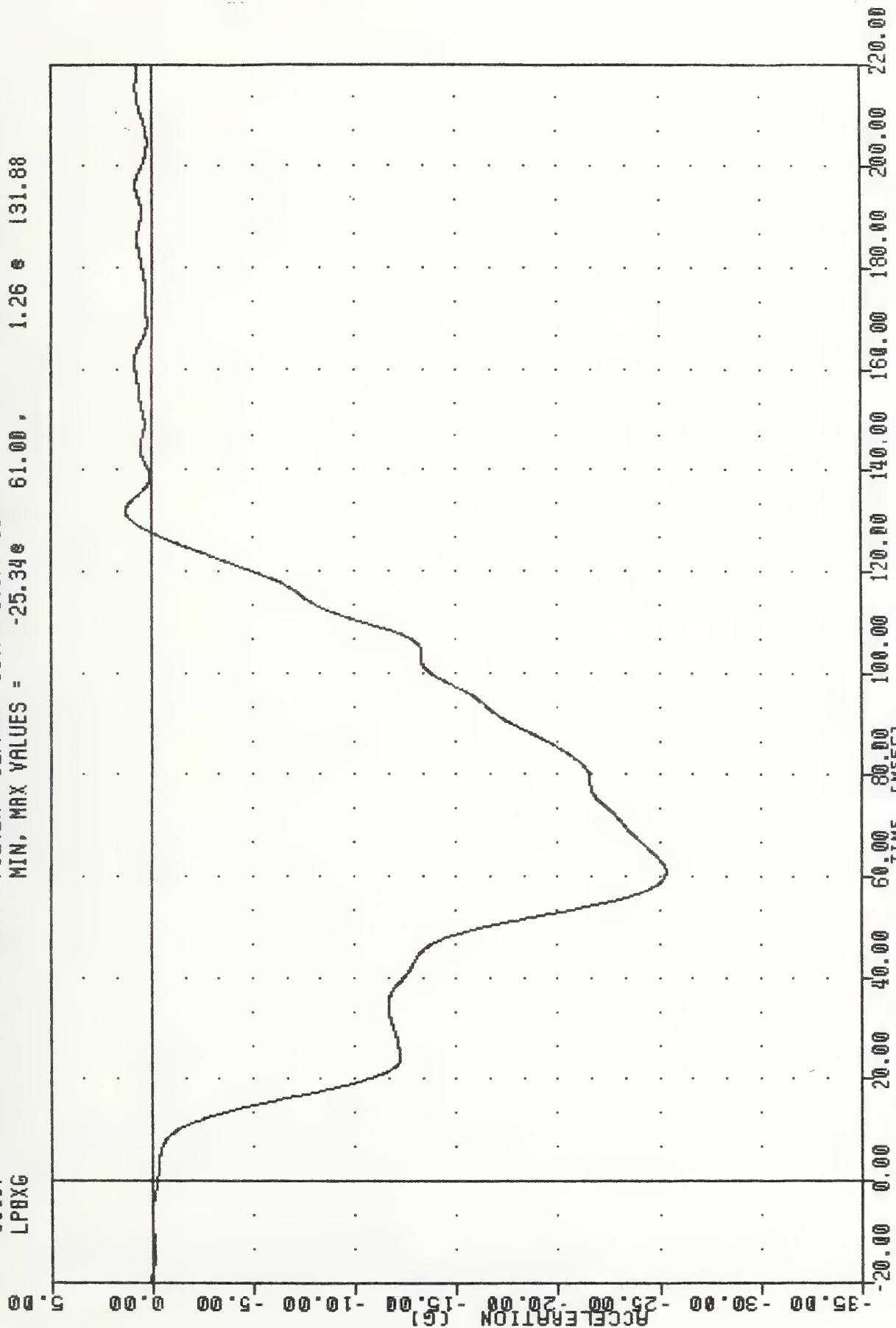
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION I-S AXIS

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
LPBXG

PLOT DATE 20-MAY-85 15:50:49

FILTER = 8LPF 100/ 316/ -40

MIN, MAX VALUES = -25.34e 61.00, 1.26 e 131.88



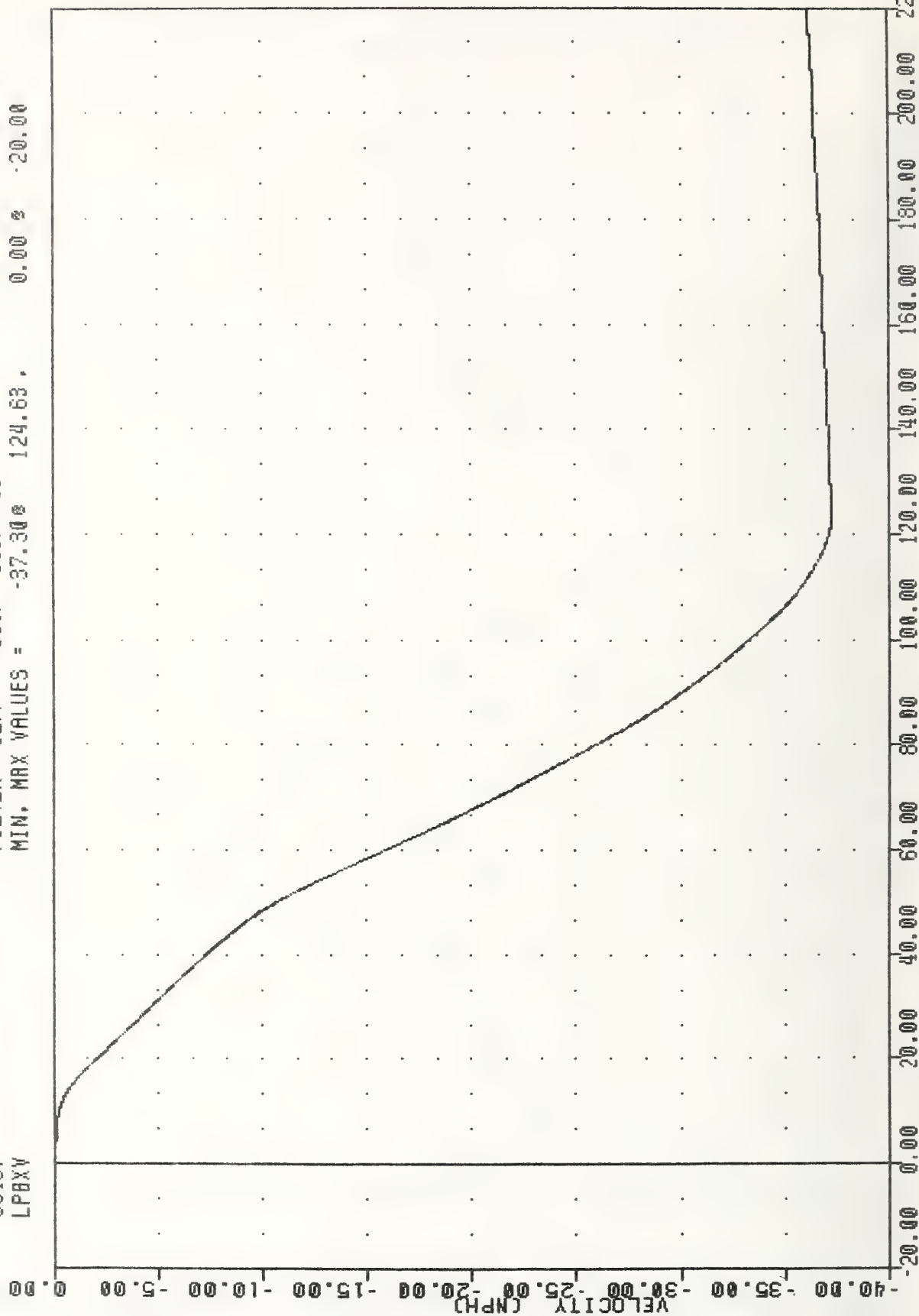
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
LPBXV

PLOT DATE 21-MAY-85 08:35:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -37.300 124.63 0.00 0.00



248

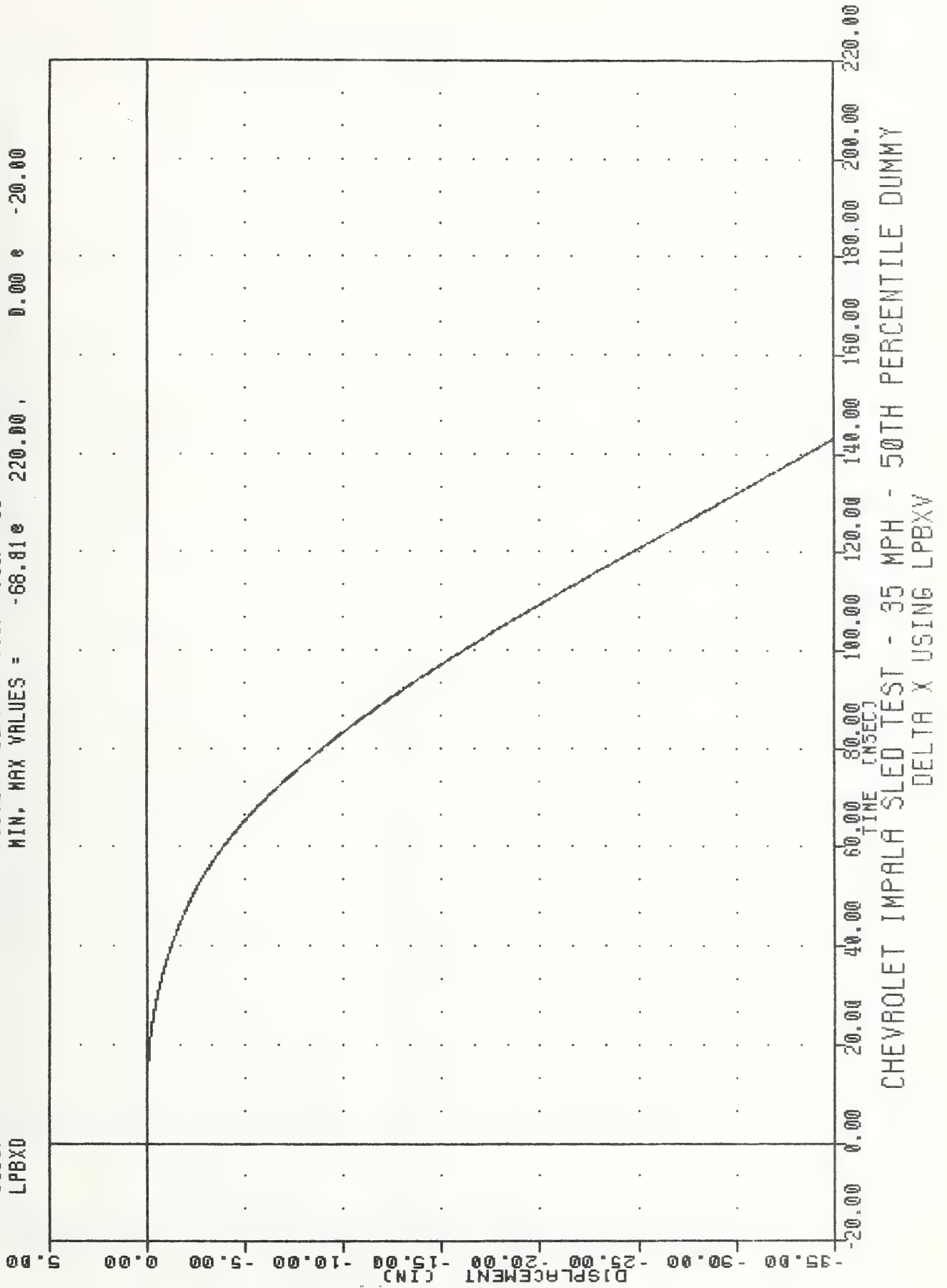
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBXG

VRIC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
LPBXD

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -68.81e 220.00 , 0.00 e -20.00



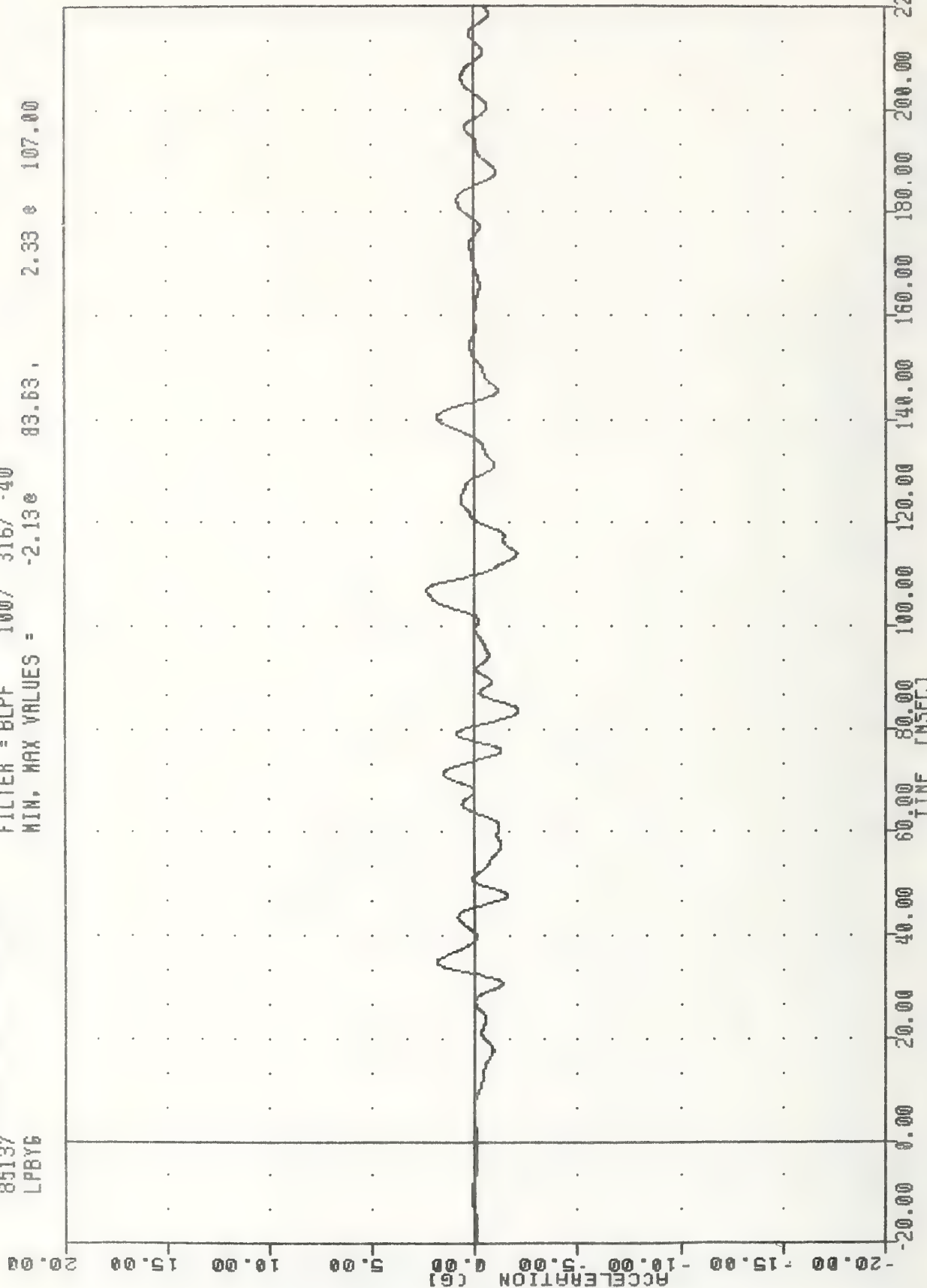
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING LPBXV

VRTC , RD384-4-34
BREED HIRBAG SLED PROGRAM
85137
LPBYG

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -2.13e 83.53, 2.33 e 107.00



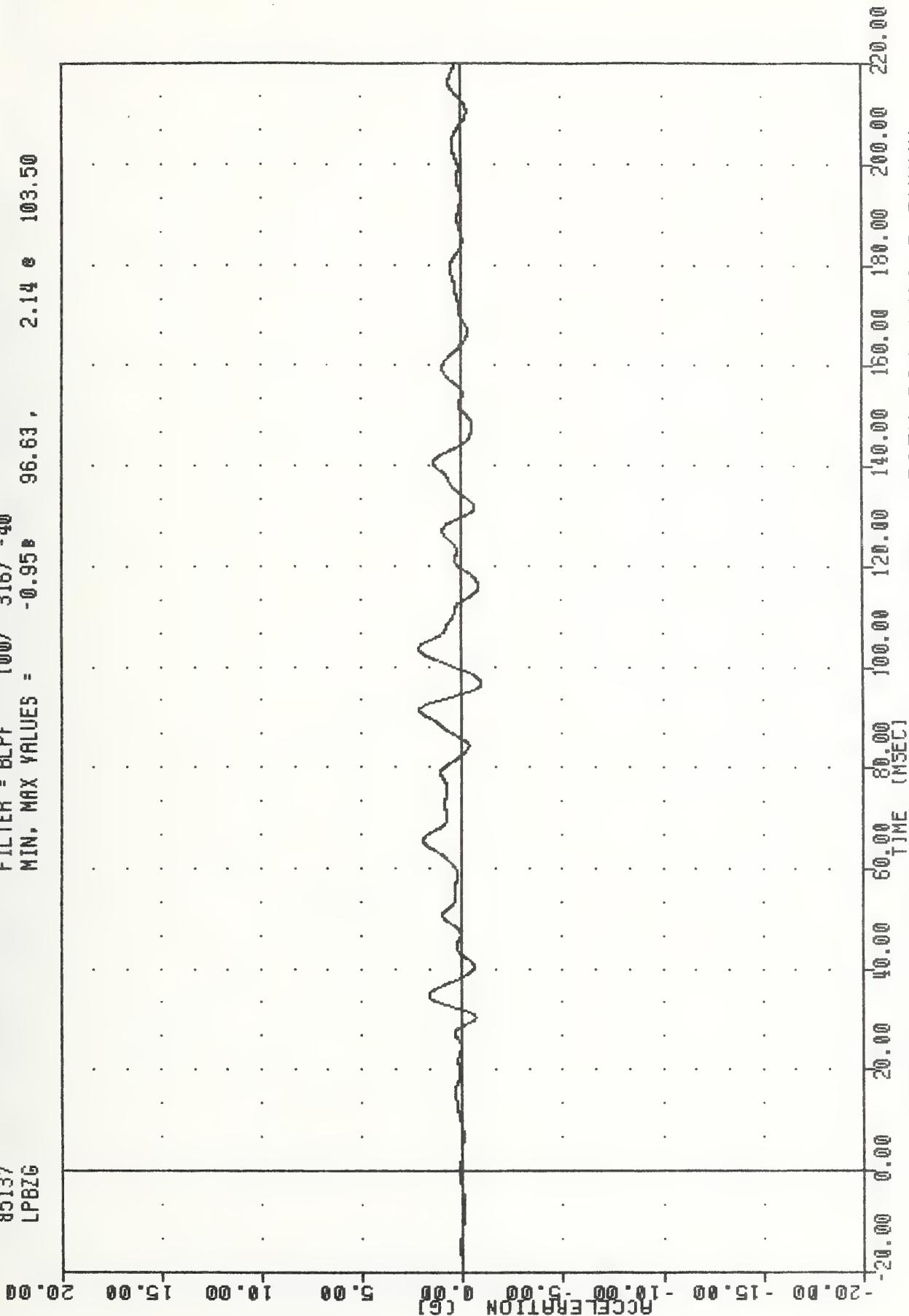
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
LPBZG

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.958 96.61, 2.14 e 103.50

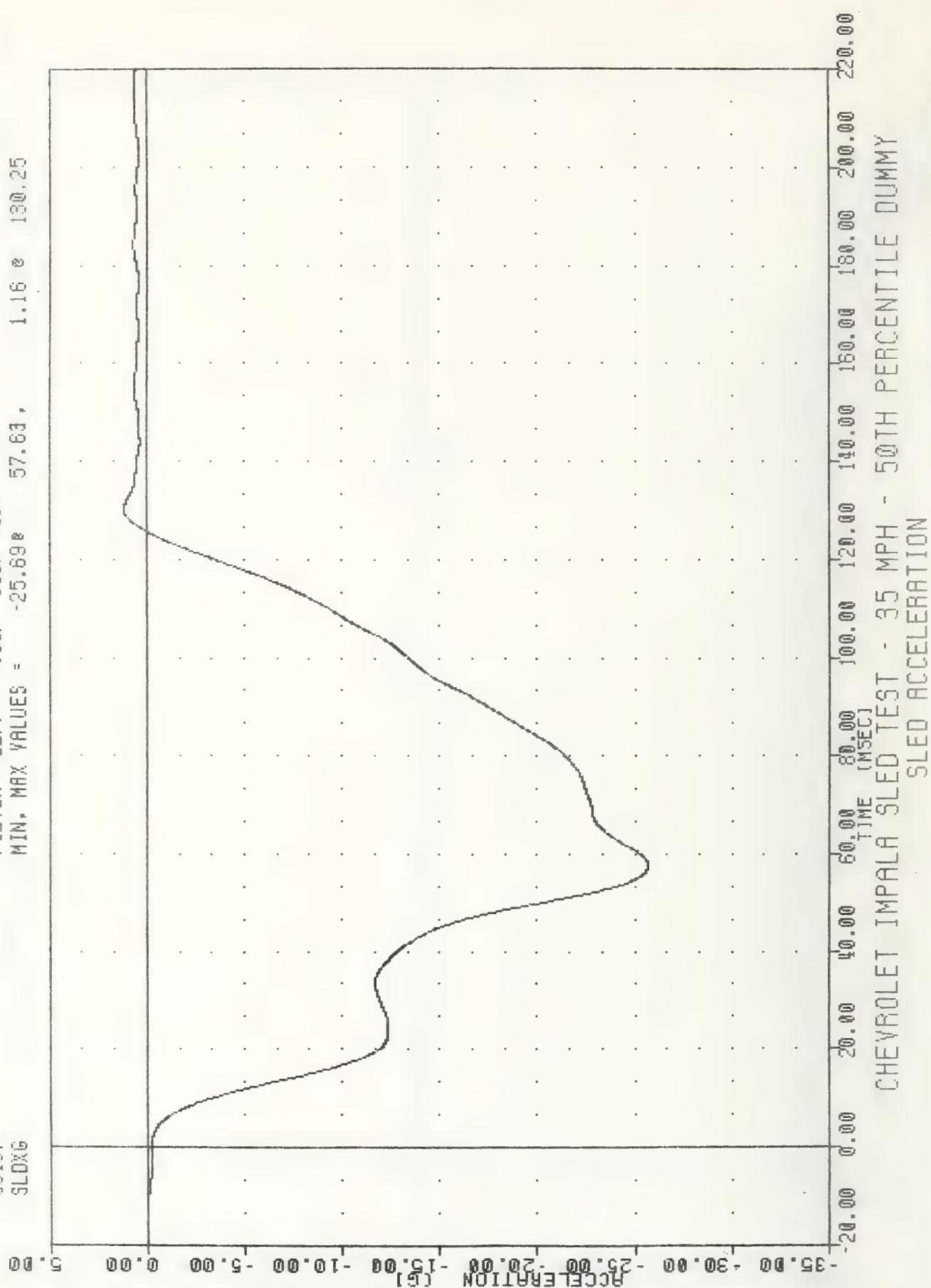


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC , RD384-A-34
BREED AIRBAG SLED PROGRAM
85137
SLOXG

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -25.69 57.63, 1.16 130.25



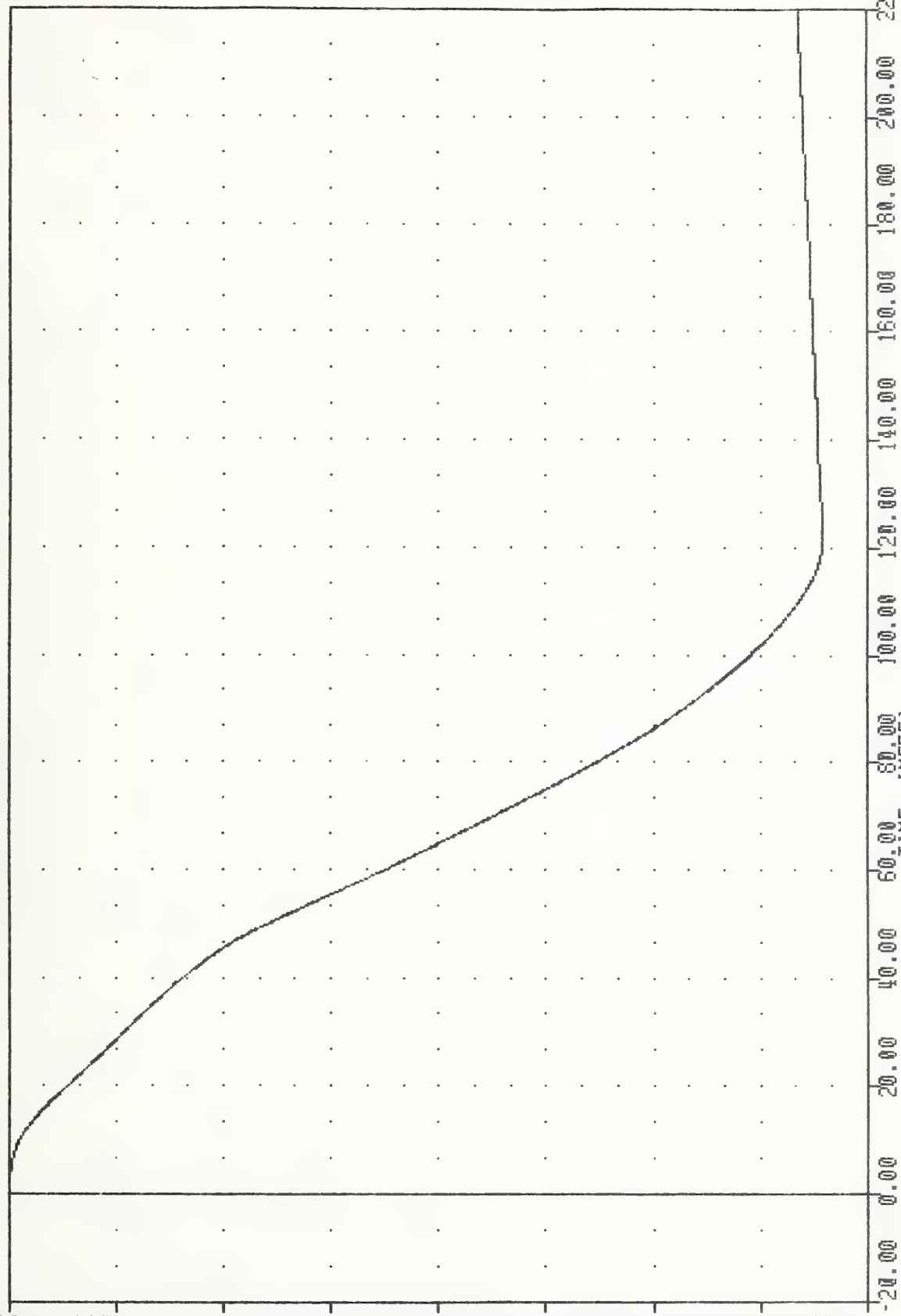
VRTC , R0384-4-34
BREED AIRBAG SLED PROGRAM
85137
SLOXVI

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -37.95 123.13 , 0.04 -16.38

VELOCITY (MPH)



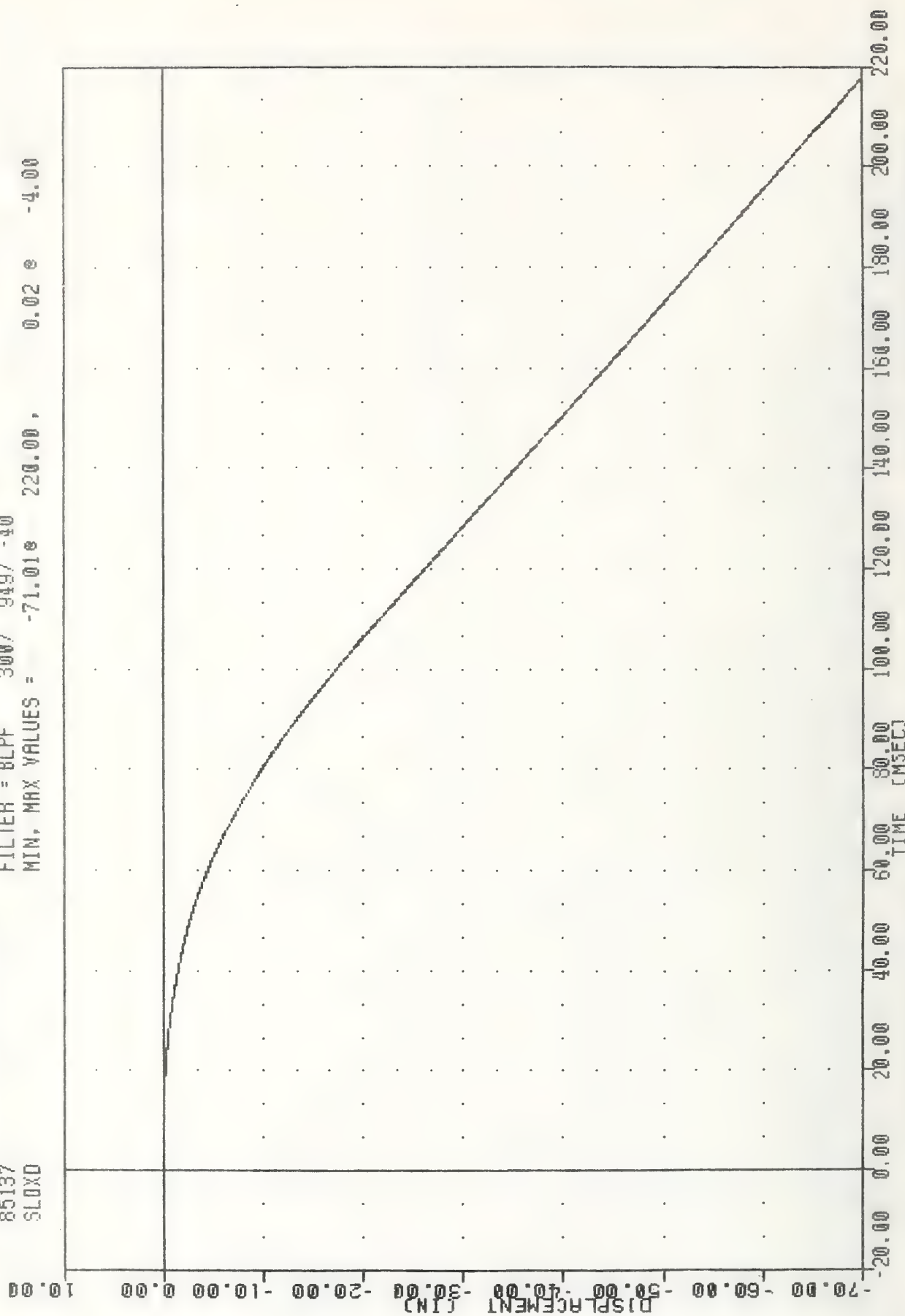
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

VRTC , RD304-4-34
BREED AIRBAG SLED PROGRAM
85137
SLOXD

PLOT DATE 21-MAY-85 08:56:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -71.018 220.00, 0.02 e -4.00



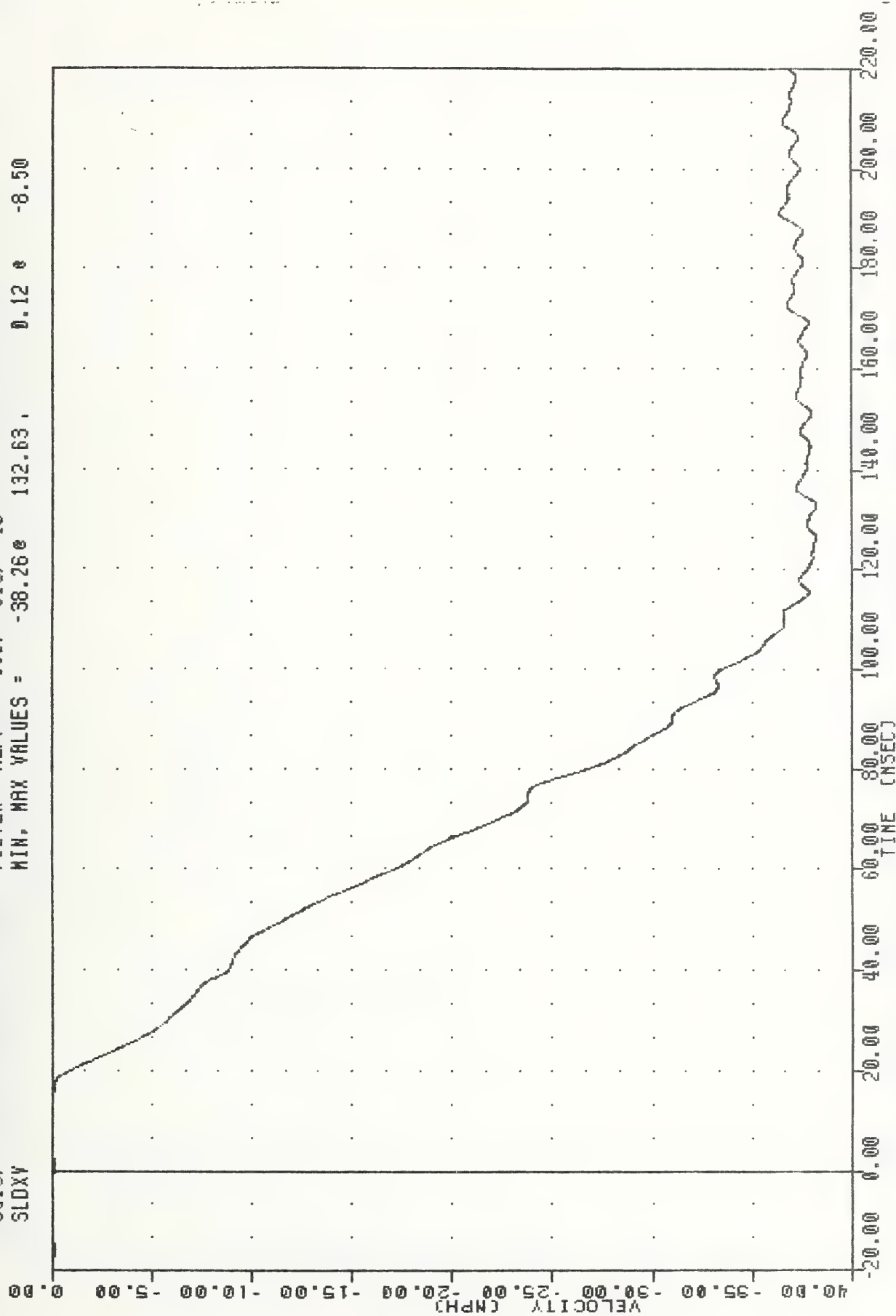
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING SLDXVI

VATC
BREED AIRBAG SLED PROGRAM
85137
SLDXV

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 100/ 316/ -40

MIN, MAX VALUES = -38.26 132.63 , 0.12 8 -8.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
ABTP

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -2.64e 46.50, 35.54 e 31.00

70.00

60.00

50.00

40.00

30.00

20.00

10.00

0.00

-10.00

-20.00

-30.00

-40.00

-50.00

-60.00

-70.00

-80.00

-90.00

-100.00

-110.00

-120.00

-130.00

-140.00

-150.00

-160.00

-170.00

-180.00

-190.00

-200.00

-210.00

-220.00

-230.00

-240.00

-250.00

-260.00

-270.00

-280.00

-290.00

-300.00

-310.00

-320.00

-330.00

-340.00

-350.00

-360.00

-370.00

-380.00

-390.00

-400.00

-410.00

-420.00

-430.00

-440.00

-450.00

-460.00

-470.00

-480.00

-490.00

-500.00

-510.00

-520.00

-530.00

-540.00

-550.00

-560.00

-570.00

-580.00

-590.00

-600.00

-610.00

-620.00

-630.00

-640.00

-650.00

-660.00

-670.00

-680.00

-690.00

-700.00

-710.00

-720.00

-730.00

-740.00

-750.00

-760.00

-770.00

-780.00

-790.00

-800.00

-810.00

-820.00

-830.00

-840.00

-850.00

-860.00

-870.00

-880.00

-890.00

-900.00

-910.00

-920.00

-930.00

-940.00

-950.00

-960.00

-970.00

-980.00

-990.00

-1000.00

-1010.00

-1020.00

-1030.00

-1040.00

-1050.00

-1060.00

-1070.00

-1080.00

-1090.00

-1100.00

-1110.00

-1120.00

-1130.00

-1140.00

-1150.00

-1160.00

-1170.00

-1180.00

-1190.00

-1200.00

-1210.00

-1220.00

-1230.00

-1240.00

-1250.00

-1260.00

-1270.00

-1280.00

-1290.00

-1300.00

-1310.00

-1320.00

-1330.00

-1340.00

-1350.00

-1360.00

-1370.00

-1380.00

-1390.00

-1400.00

-1410.00

-1420.00

-1430.00

-1440.00

-1450.00

-1460.00

-1470.00

-1480.00

-1490.00

-1500.00

-1510.00

-1520.00

-1530.00

-1540.00

-1550.00

-1560.00

-1570.00

-1580.00

-1590.00

-1600.00

-1610.00

-1620.00

-1630.00

-1640.00

-1650.00

-1660.00

-1670.00

-1680.00

-1690.00

-1700.00

-1710.00

-1720.00

-1730.00

-1740.00

-1750.00

-1760.00

-1770.00

-1780.00

-1790.00

-1800.00

-1810.00

-1820.00

-1830.00

-1840.00

-1850.00

-1860.00

-1870.00

-1880.00

-1890.00

-1900.00

-1910.00

-1920.00

-1930.00

-1940.00

-1950.00

-1960.00

-1970.00

-1980.00

-1990.00

-2000.00

-2010.00

-2020.00

-2030.00

-2040.00

-2050.00

-2060.00

-2070.00

-2080.00

-2090.00

-2100.00

-2110.00

-2120.00

-2130.00

-2140.00

-2150.00

-2160.00

-2170.00

-2180.00

-2190.00

-2200.00

-2210.00

-2220.00

-2230.00

-2240.00

-2250.00

-2260.00

-2270.00

-2280.00

-2290.00

-2300.00

-2310.00

-2320.00

-2330.00

-2340.00

-2350.00

-2360.00

-2370.00

-2380.00

-2390.00

-2400.00

-2410.00

-2420.00

-2430.00

-2440.00

-2450.00

-2460.00

-2470.00

-2480.00

-2490.00

-2500.00

-2510.00

-2520.00

-2530.00

-2540.00

-2550.00

-2560.00

-2570.00

-2580.00

-2590.00

-2600.00

-2610.00

-2620.00

-2630.00

-2640.00

-2650.00

-2660.00

-2670.00

-2680.00

-2690.00

-2700.00

-2710.00

-2720.00

-2730.00

-2740.00

-2750.00

-2760.00

-2770.00

-2780.00

-2790.00

-2800.00

-2810.00

-2820.00

-2830.00

-2840.00

-2850.00

-2860.00

-2870.00

-2880.00

-2890.00

-2900.00

-2910.00

-2920.00

-2930.00

-2940.00

-2950.00

-2960.00

-2970.00

-2980.00

-2990.00

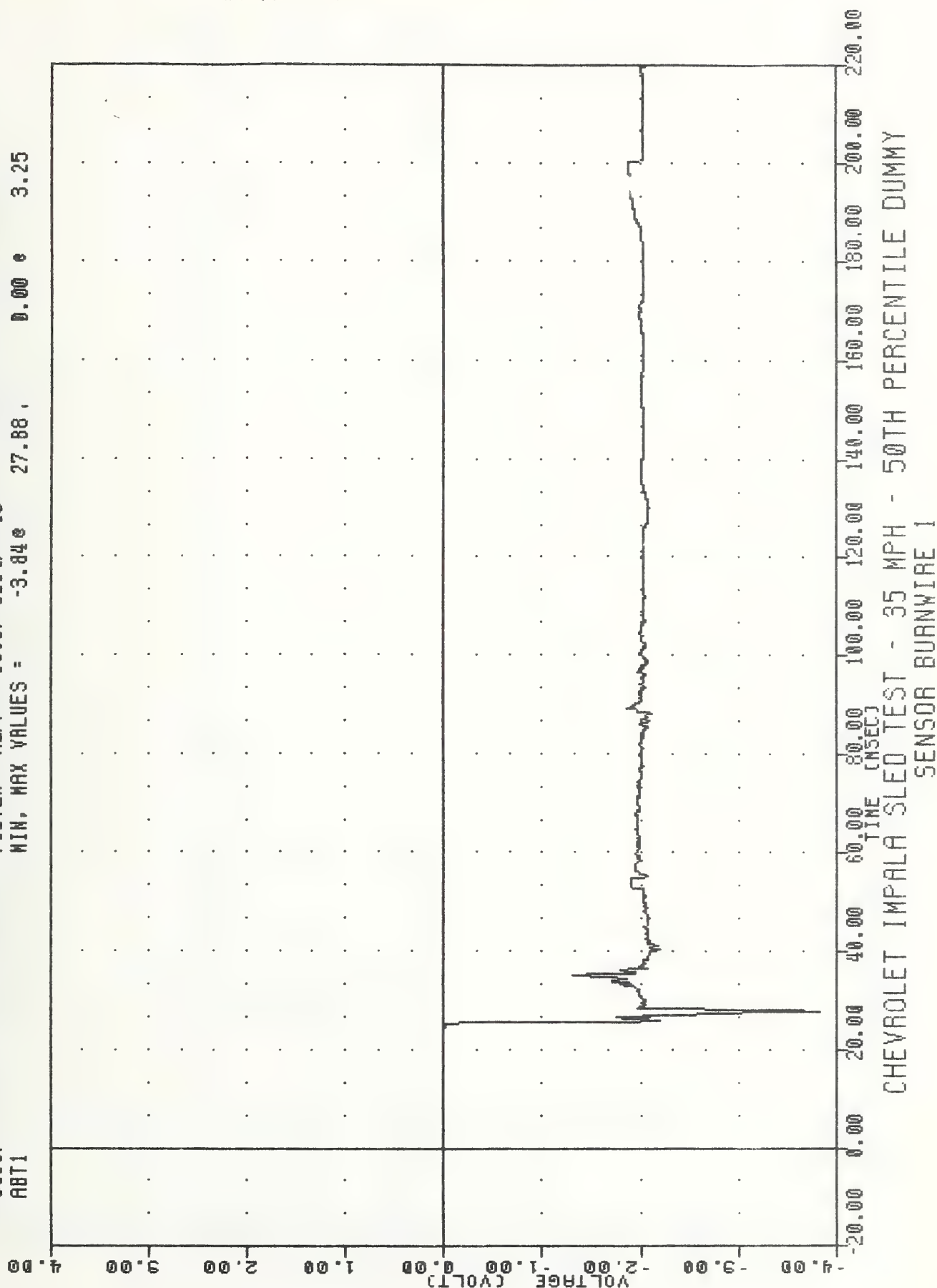
-30

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
ABT1

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.84e 27.88 , 0.00 e 3.25



VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
ABT2

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.91e 27.50 , 0.00 e -11.75

4.00

3.00

2.00

1.00

0.00

258

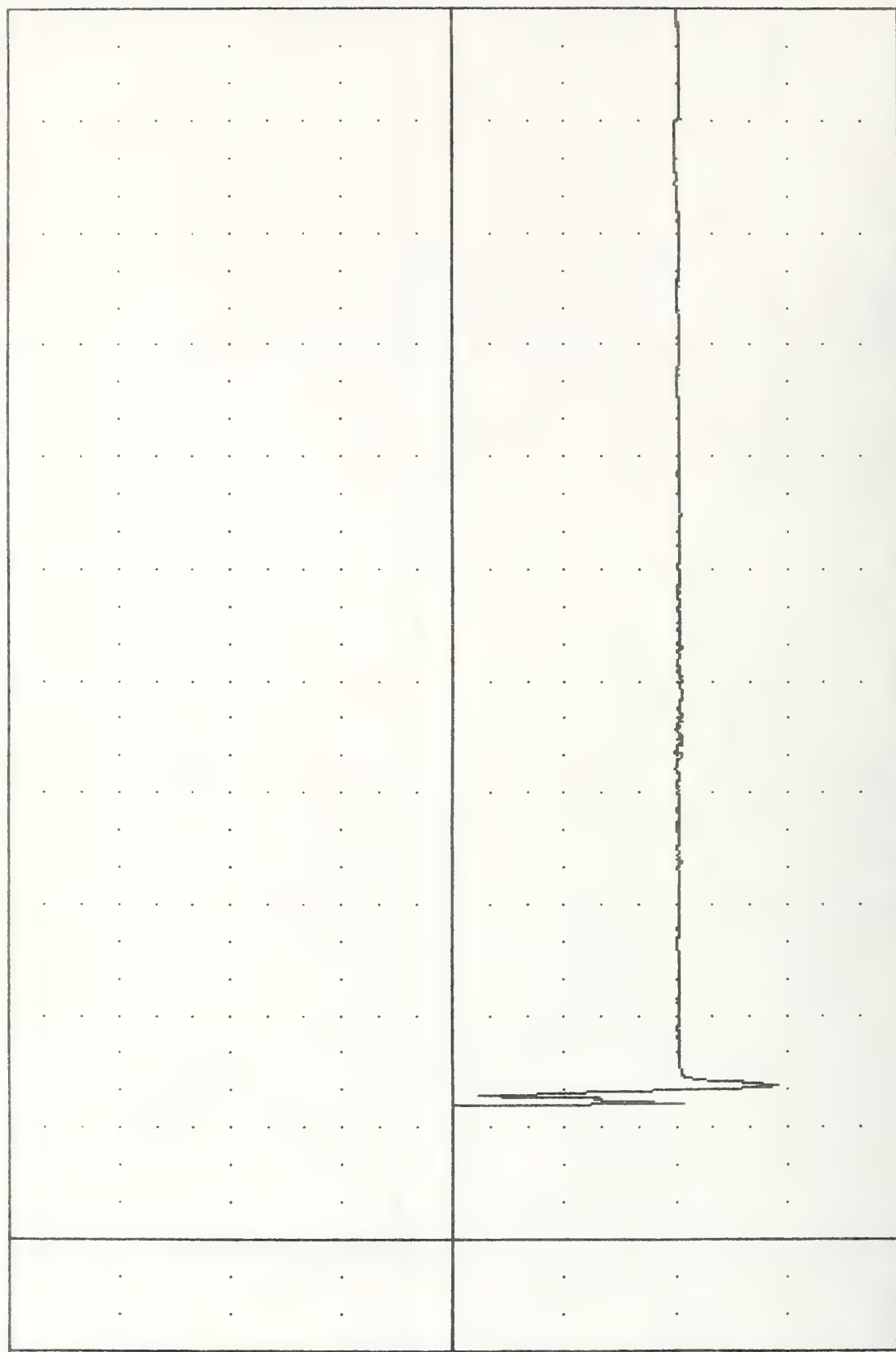
-1.00

-2.00

-3.00

-4.00

VOLTAGE (VOLTS)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (MSEC)

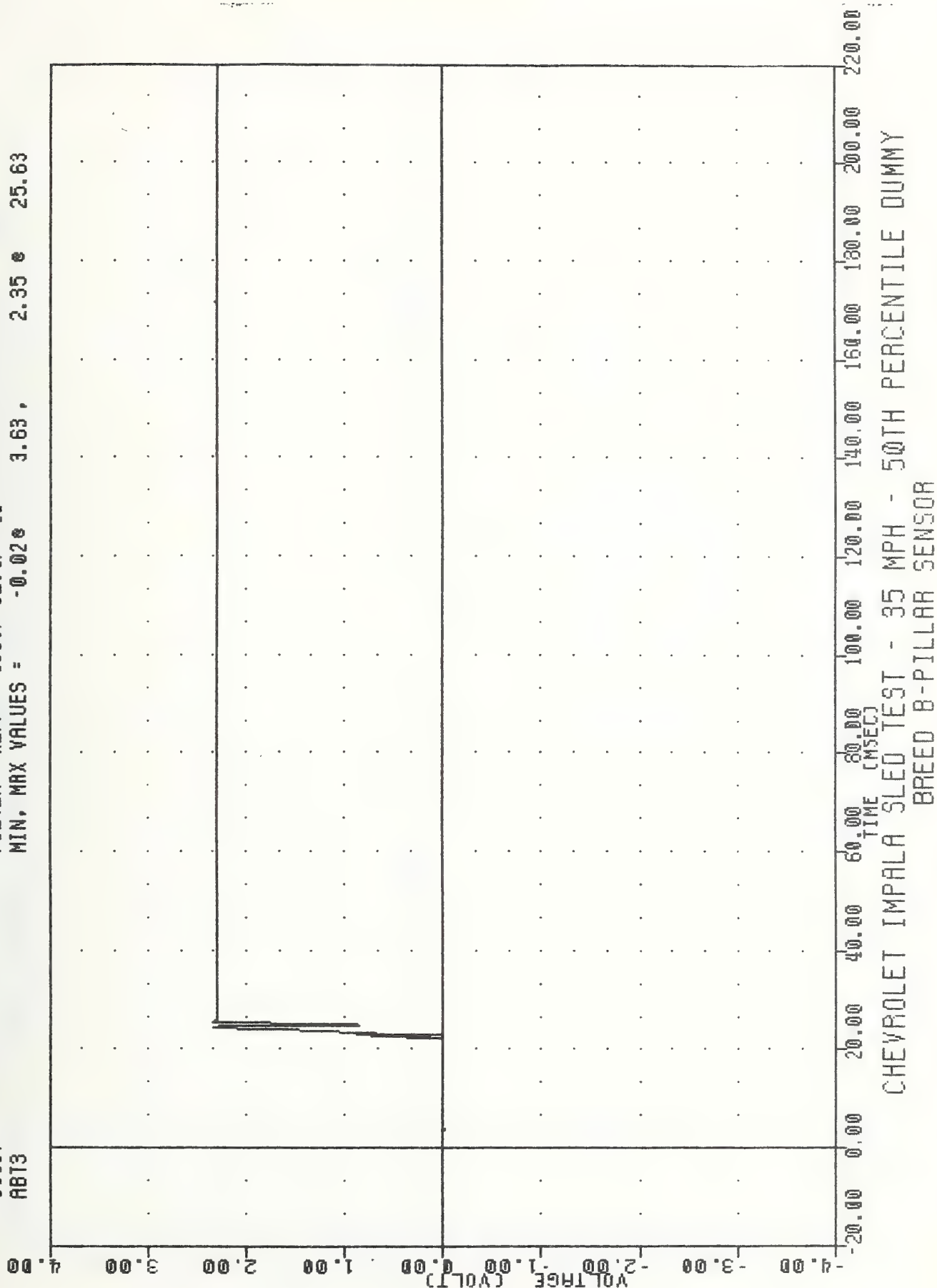
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

SENSOR BURNWIRE 2

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
ABT3

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -0.020 3.63, 2.35 25.63

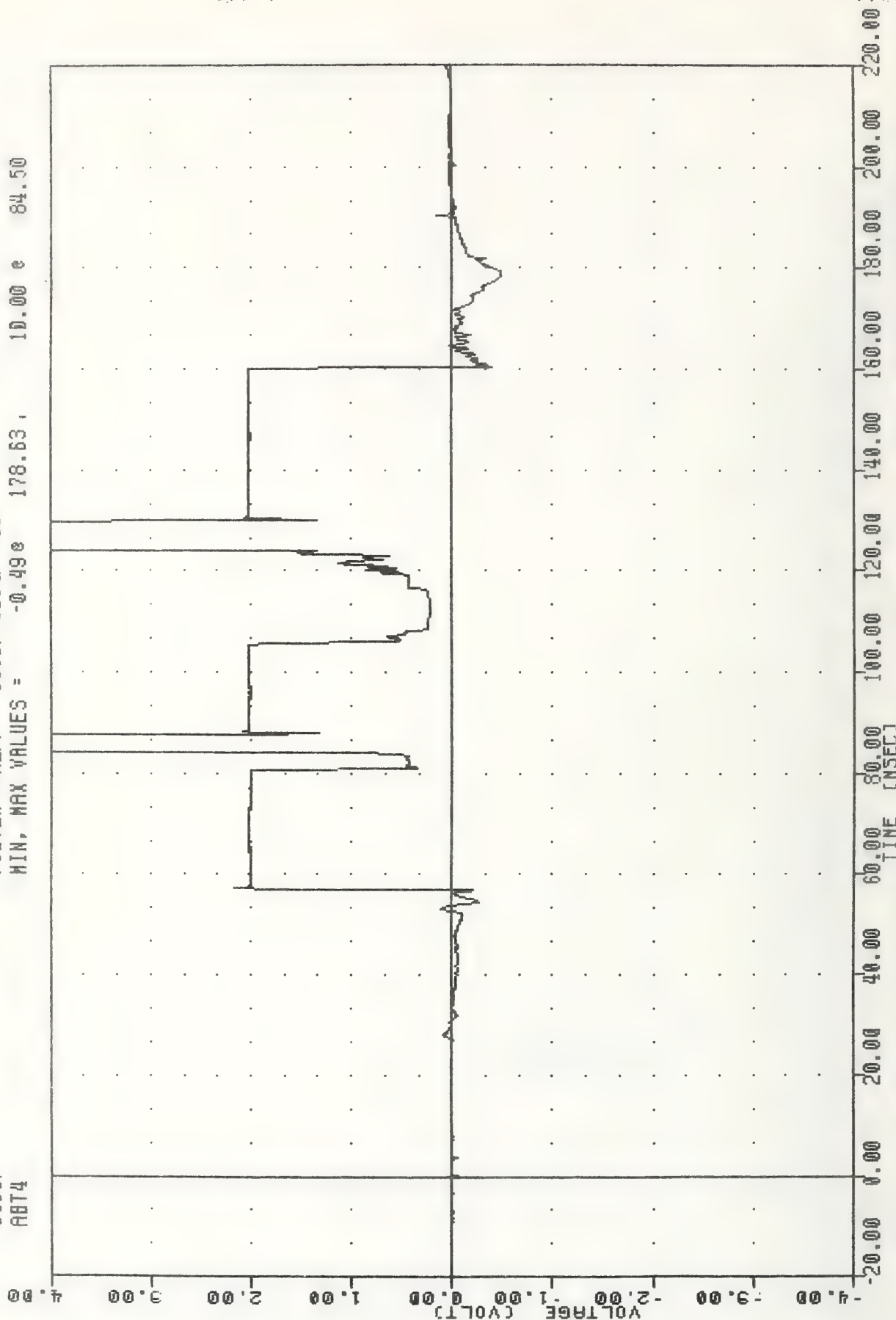


WATC RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
ABT4

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40

HIN, MAX VALUES = -0.498 178.63, 10.00 e 84.50



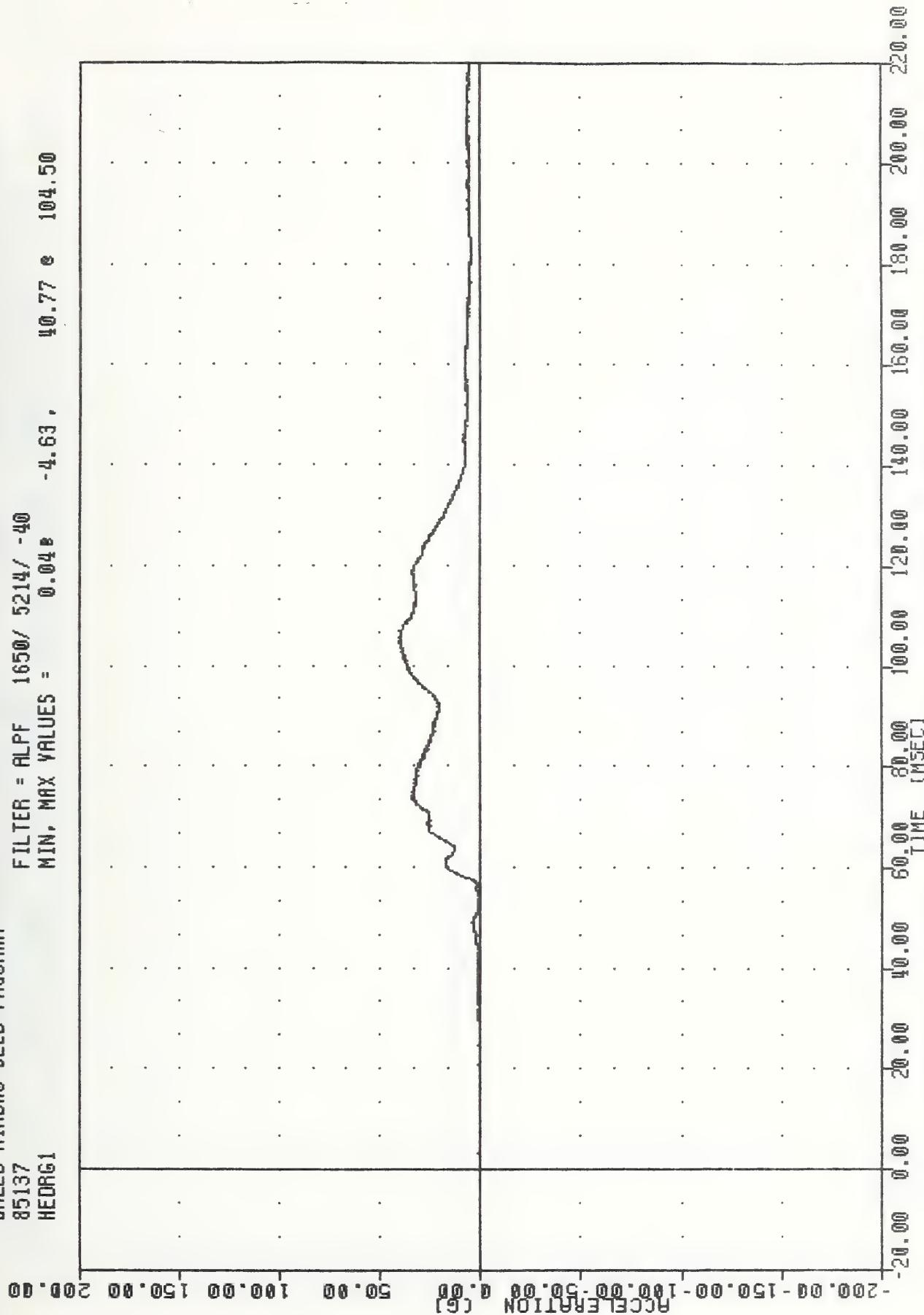
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
HEDRG1

PLOT DATE 20-MAY-85 15:52:43

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.048 -4.63, 40.77 e 104.50

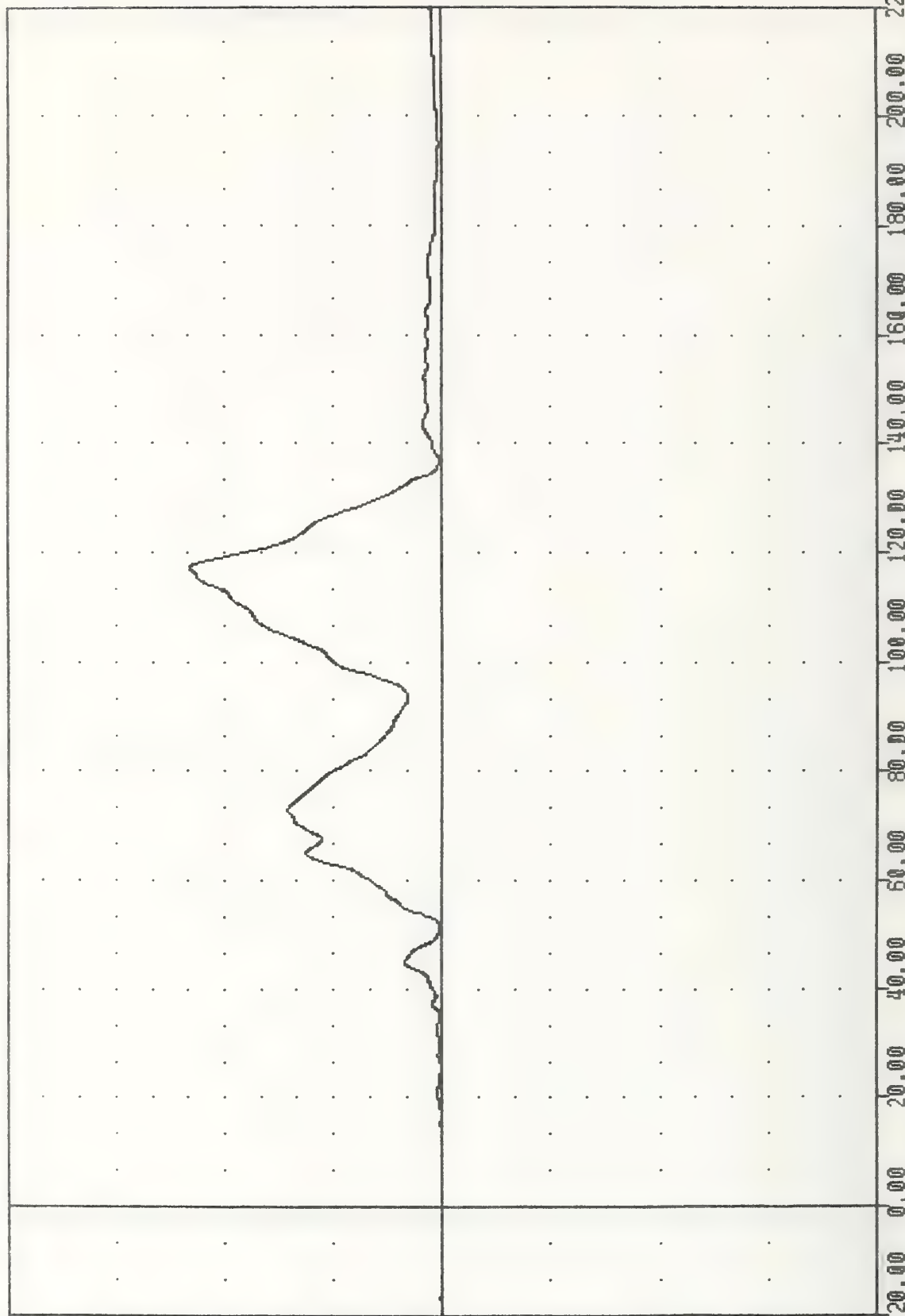


VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
CSTRG1

PLOT DATE 20-MAY-85 15:52:43

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = 0.04e 11.25, 57.87 e 117.13

ACCELERATION (G)

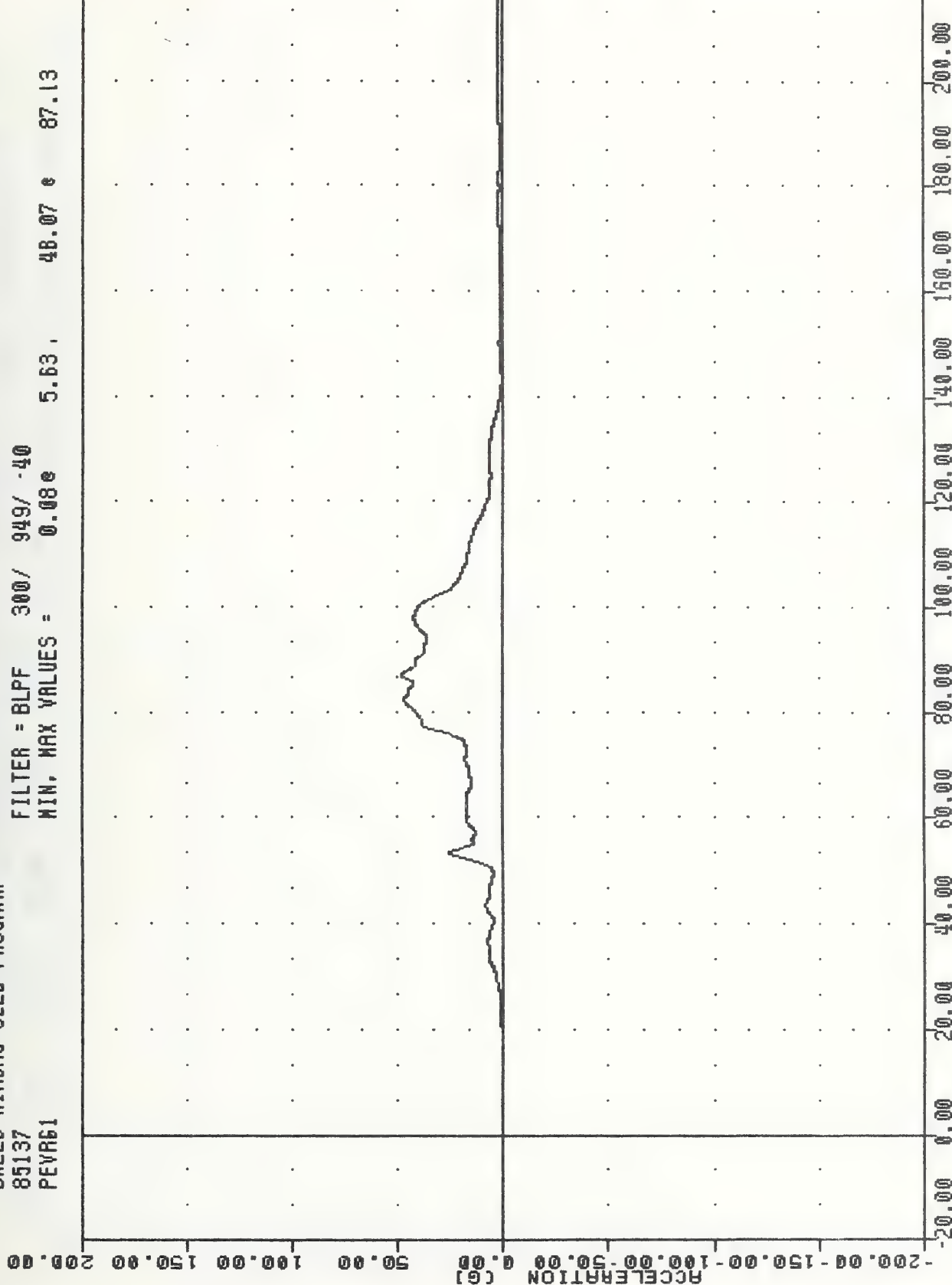


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VRTC RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 PEVR61

PLOT DATE 20-MAY-85 15:52:43

FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = 0.08e 5.63, 48.07 e 87.13

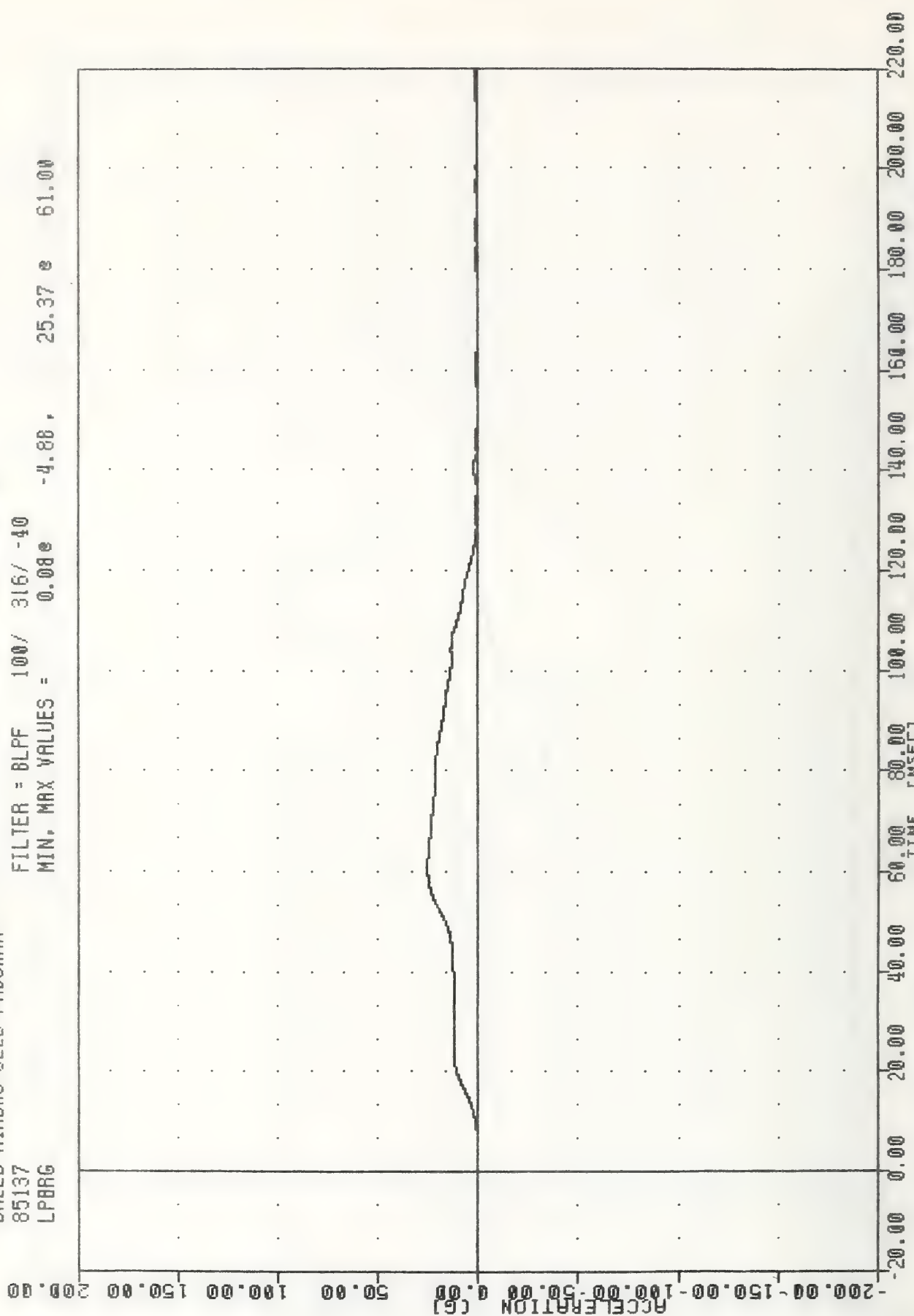


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS RESULTANT

VRTC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 LPBRG

PLOT DATE 20-MAY-85 15:52:43

FILTER = BLPF 100/ 316/ -40
 MIN. MAX VALUES = 0.08e -4.88, 25.37 e 61.00

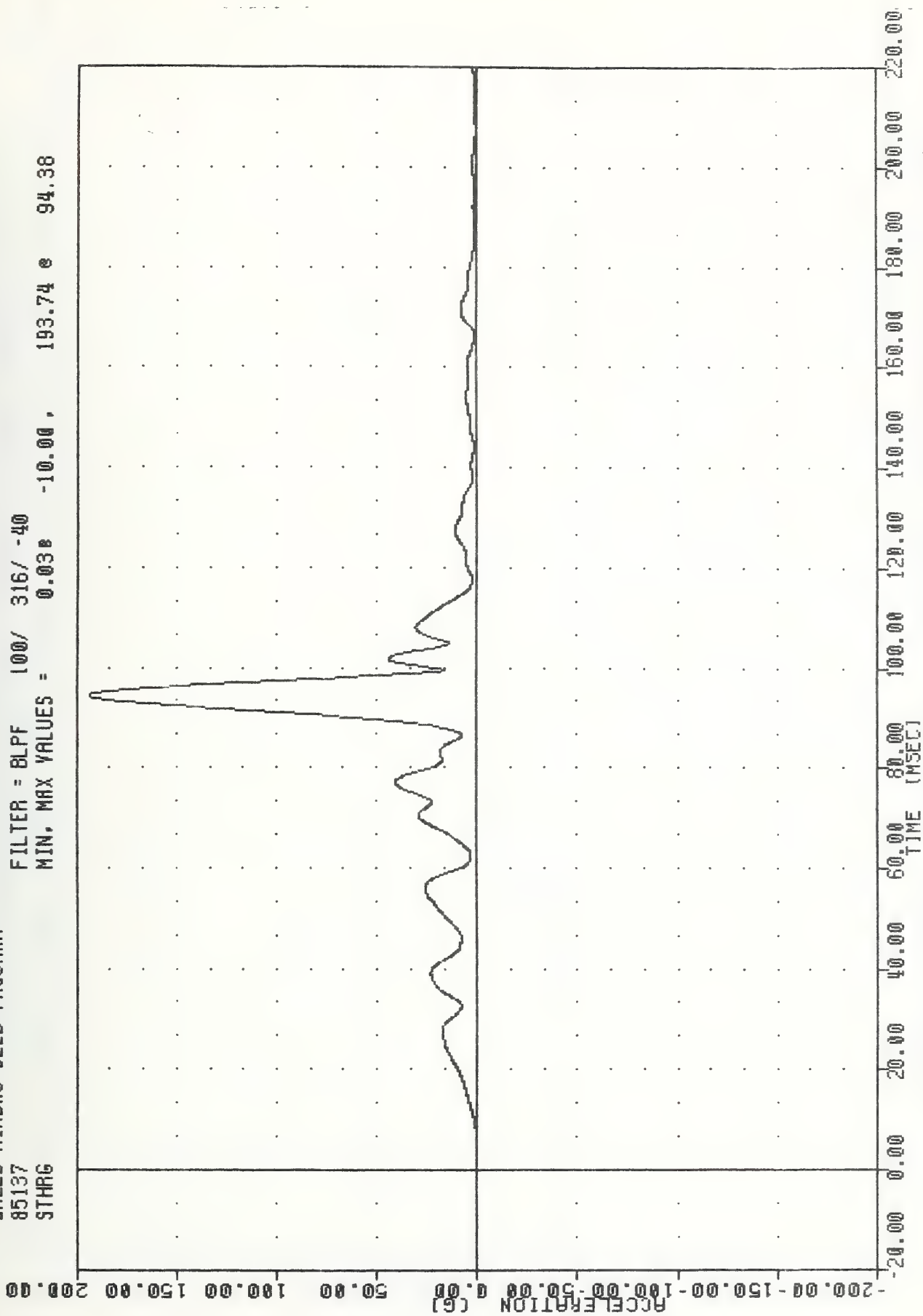


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 PILLAR LEFT B RESULTANT

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
STHRG

PLOT DATE 20-MAY-85 15:52:43

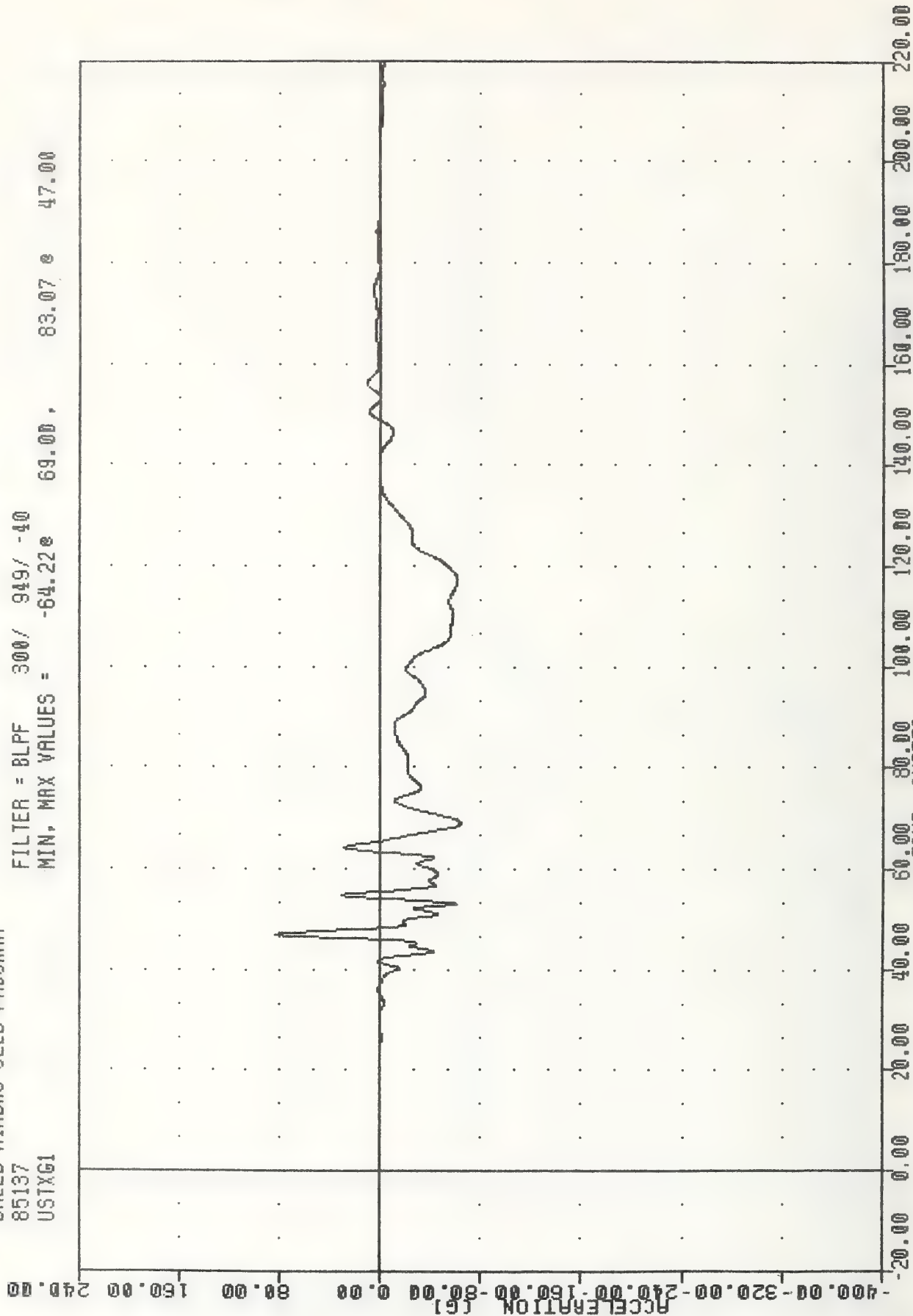
FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.038 -10.00 , 193.74 e 94.38



VRTC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 USTXG1

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -64.22e 69.00, 83.07 e 47.00



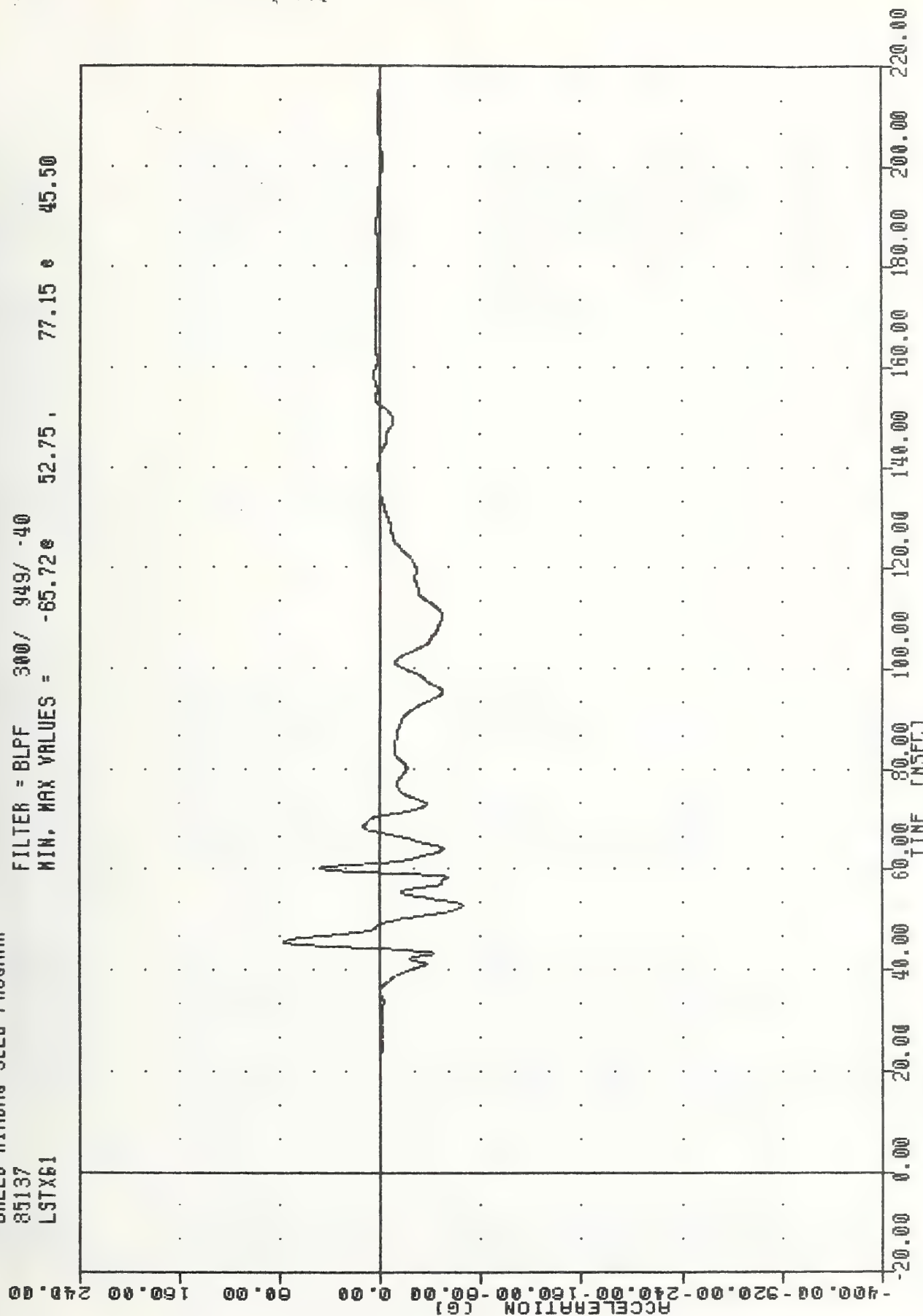
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER UPPER STERNUM ACCELERATION X AXIS

VATC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
LSTX61

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -65.72 52.75, 77.15 45.50



TRC442P. RAD: 1
VRTC
85140

RD384-4-35 BREED AIRBAG SLED PROGRAM
35.00 mph 20-MAY-85 16:27

		Min value	Max value	Data Units	Filter
1	EVENT	0.068 @	1.604 @	-3.625 msec	ALPF 1650/ 5214/ -40
2	SLDXV	-38.328 @	0.125 @	-8.875 msec	ALPF 100/ 316/ -40
3	SLDXG	-25.763 @	1.260 @	129.875 msec	BLPF 100/ 316/ -40
4	HEDXG1	-32.357 @	2.500 @	34.875 msec	ALPF 1650/ 5214/ -40
5	HEDYG1	-1.550 @	5.894 @	126.875 msec	ALPF 1650/ 5214/ -40
6	HEDZG1	-3.021 @	18.623 @	105.125 msec	ALPF 1650/ 5214/ -40
7	CSTXG1	-47.637 @	3.744 @	163.250 msec	BLPF 300/ 949/ -40
8	CSTYG1	-2.383 @	2.289 @	65.750 msec	BLPF 300/ 949/ -40
9	CSTZG1	-6.730 @	2.235 @	108.000 msec	BLPF 300/ 949/ -40
10	USTXG1	-116.183 @	87.482 @	43.875 msec	BLPF 300/ 949/ -40
11	LSTXG1	-127.695 @	196.662 @	42.000 msec	BLPF 300/ 949/ -40
12	PEVXG1	-47.855 @	2.600 @	215.000 msec	BLPF 300/ 949/ -40
13	PEVYG1	-7.599 @	8.690 @	98.250 msec	BLPF 300/ 949/ -40
14	PEVZG1	-14.999 @	1.558 @	171.500 msec	BLPF 300/ 949/ -40
15	LFMF1	-1245.536 @	137.404 @	190.375 msec	BLPF 1000/ 3162/ -40
16	RFMF1	-1428.952 @	92.027 @	206.875 msec	BLPF 1000/ 3162/ -40
17	STHPG	-187.663 @	44.720 @	79.125 msec	BLPF 100/ 316/ -40
18	STHLG	-18.329 @	17.687 @	101.750 msec	BLPF 100/ 316/ -40
19	STHIG	-28.892 @	59.694 @	99.250 msec	BLPF 100/ 316/ -40
20	LPBVG	-25.356 @	1.249 @	132.375 msec	BLPF 100/ 316/ -40
21	LPBYG	-2.016 @	1.928 @	124.750 msec	BLPF 100/ 316/ -40
22	LPBZG	-3.288 @	1.662 @	34.125 msec	BLPF 100/ 316/ -40
23	ABT1	-2.880 @	37.144 @	31.000 msec	ALPF 1650/ 5214/ -40
24	ABT1	-2.393 @	0.004 @	2.875 msec	ALPF 1650/ 5214/ -40
25	ABT2	-3.097 @	0.006 @	3.000 msec	ALPF 1650/ 5214/ -40
26	ABT3	-0.026 @	2.310 @	25.375 msec	ALPF 1650/ 5214/ -40
27	ABT4	-0.114 @	2.151 @	57.125 msec	ALPF 1650/ 5214/ -40

TRC442IP. RAD: 1
VRTC
85140

RD384-4-35 BREED AIRBAG SLED PROGRAM
35.00 mph 20-MAY-85 16:27

		Min value	Max value	Data Units	Filter
1	HEDXV1	-49.209 @	0.315 @	45.125 msec	BLPF 300/ 949/ -40
2	HEDXD1	-65.688 @	0.011 @	56.000 msec	BLPF 300/ 949/ -40
3	CSTXV1	-46.203 @	0.431 @	-8.750 msec	BLPF 300/ 949/ -40
4	CSTXD1	-65.983 @	0.493 @	41.625 msec	BLPF 300/ 949/ -40
5	PEVXV1	-39.762 @	-0.206 @	-1.000 msec	BLPF 300/ 949/ -40
6	PEVXD1	-64.660 @	-0.123 @	-20.000 msec	BLPF 300/ 949/ -40
7	SLDXV1	-38.057 @	0.043 @	-17.625 msec	BLPF 300/ 949/ -40
8	SLDXD	-71.180 @	0.029 @	-2.000 msec	BLPF 300/ 949/ -40
9	STHPV	-34.879 @	0.258 @	-17.875 msec	BLPF 300/ 949/ -40
10	STHPD	-59.633 @	0.199 @	9.750 msec	BLPF 300/ 949/ -40
11	LPBXV	-37.443 @	-0.001 @	-20.000 msec	BLPF 300/ 949/ -40
12	LPBXD	-69.113 @	0.001 @	-20.000 msec	BLPF 300/ 949/ -40

TRC442RP. RAD: 1
VRTC
85140

RD384-4-35 BREED AIRBAG SLED PROGRAM
35.00 mph 20-MAY-85 16:27

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.046 @	33.703 @	75.875 msec	ALPF 1650/ 5214/ -40
2	CSTRG1	0.035 @	47.714 @	117.875 msec	BLPF 300/ 949/ -40
3	PEVRG1	0.083 @	49.163 @	88.875 msec	BLPF 300/ 949/ -40
4	STHRG	0.170 @	193.665 @	97.625 msec	BLPF 100/ 316/ -40
5	LPBRG	0.084 @	25.384 @	61.625 msec	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC442RP.RAD;1
VRTC RD384-4-35 BREED AIRBAG SLED PROGRAM
85140 35.00 mph

*** HIC computation for HEDRG1 20-MAY-85 16:28

Using time range =	0.000 to 183.125 msec	Peak accel =	33.70 @ 75.875
HIC =	240.28	Interval from	59.375 [636] to 137.125 [1258]
HIC =	85.12	Interval from	67.250 [699] to 82.250 [819]

R SYSP:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC442RP

File TRC442RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-35 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPRRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC442RP.RAD;1 VRTC RD384-4-35
BREED AIRBAG SLED PROGRAM 35.0 mph 85140 20-MAY-85 16:29:42
Deltax: 0.125

3 MS CLIP PEAK: 47.48525

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak

Enter channel name -> ^Z

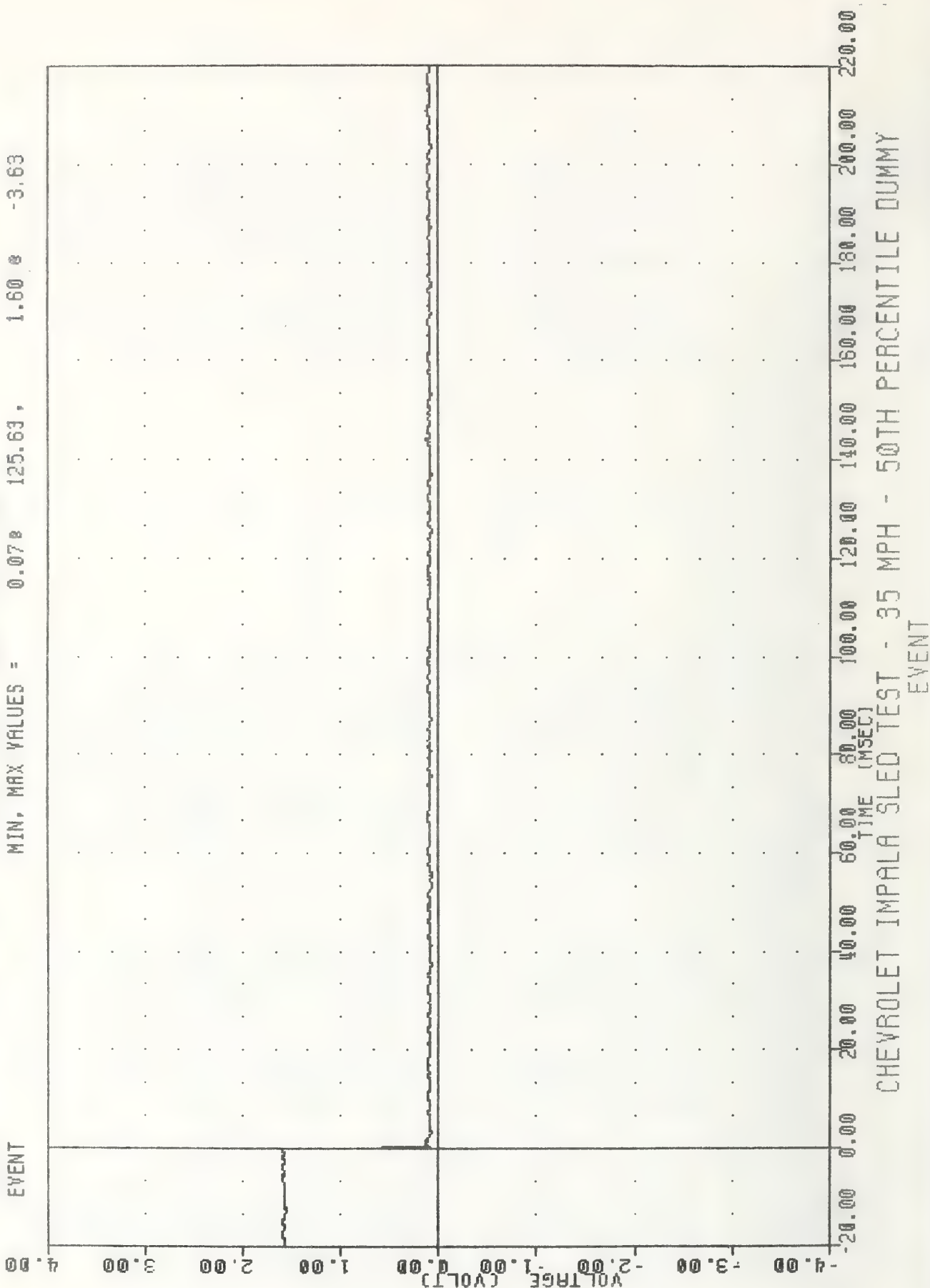
Enter input filespec -> ^Z
\$

VRTC
BREED AIRBAG SLED PROGRAM
85140
EVENT

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.07e 125.63, 1.60e -3.63



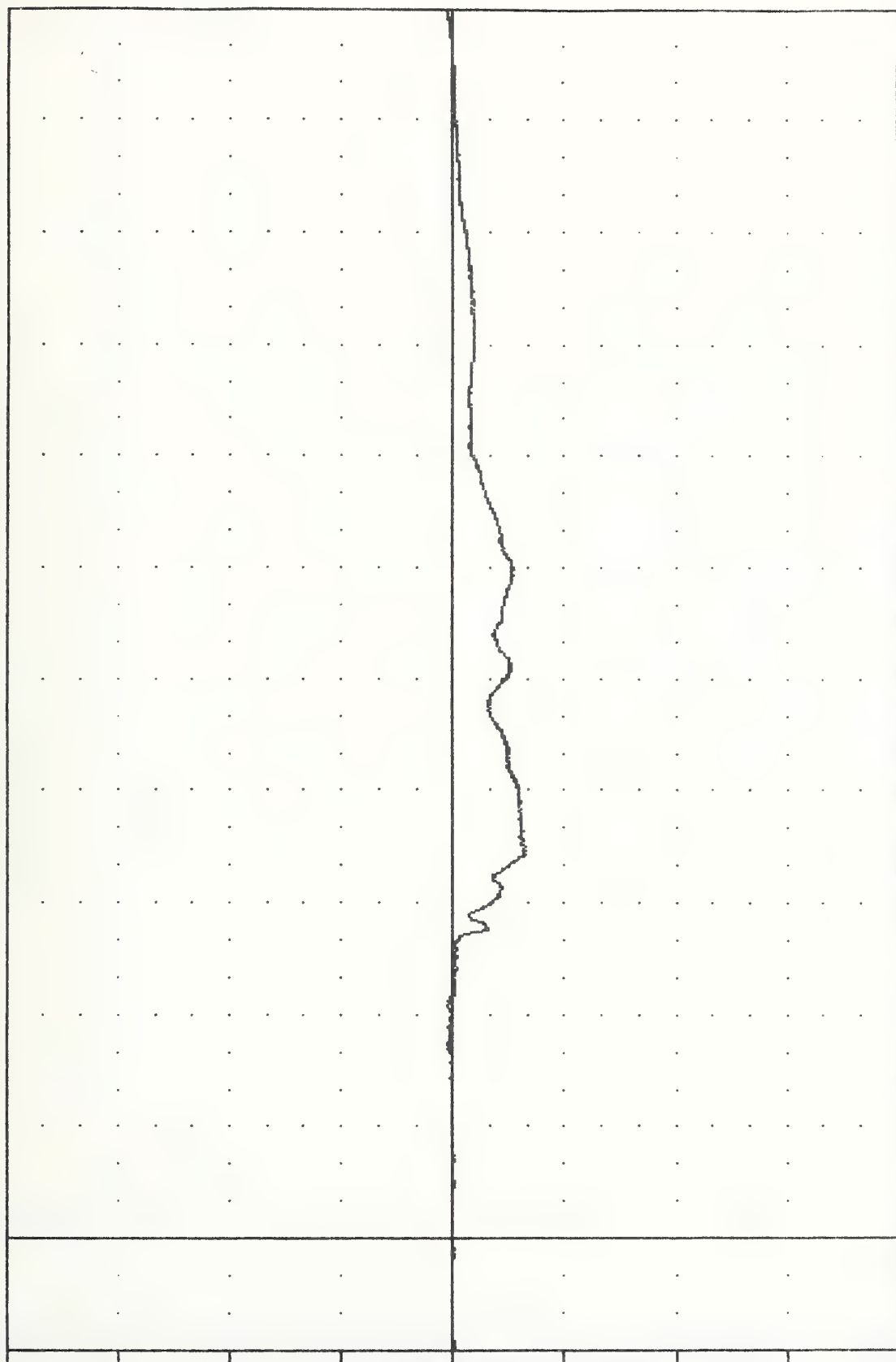
VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
HEDXG1

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -32.36e 69.88 , 2.50 e 34.88

ACCELERATION (G)



-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

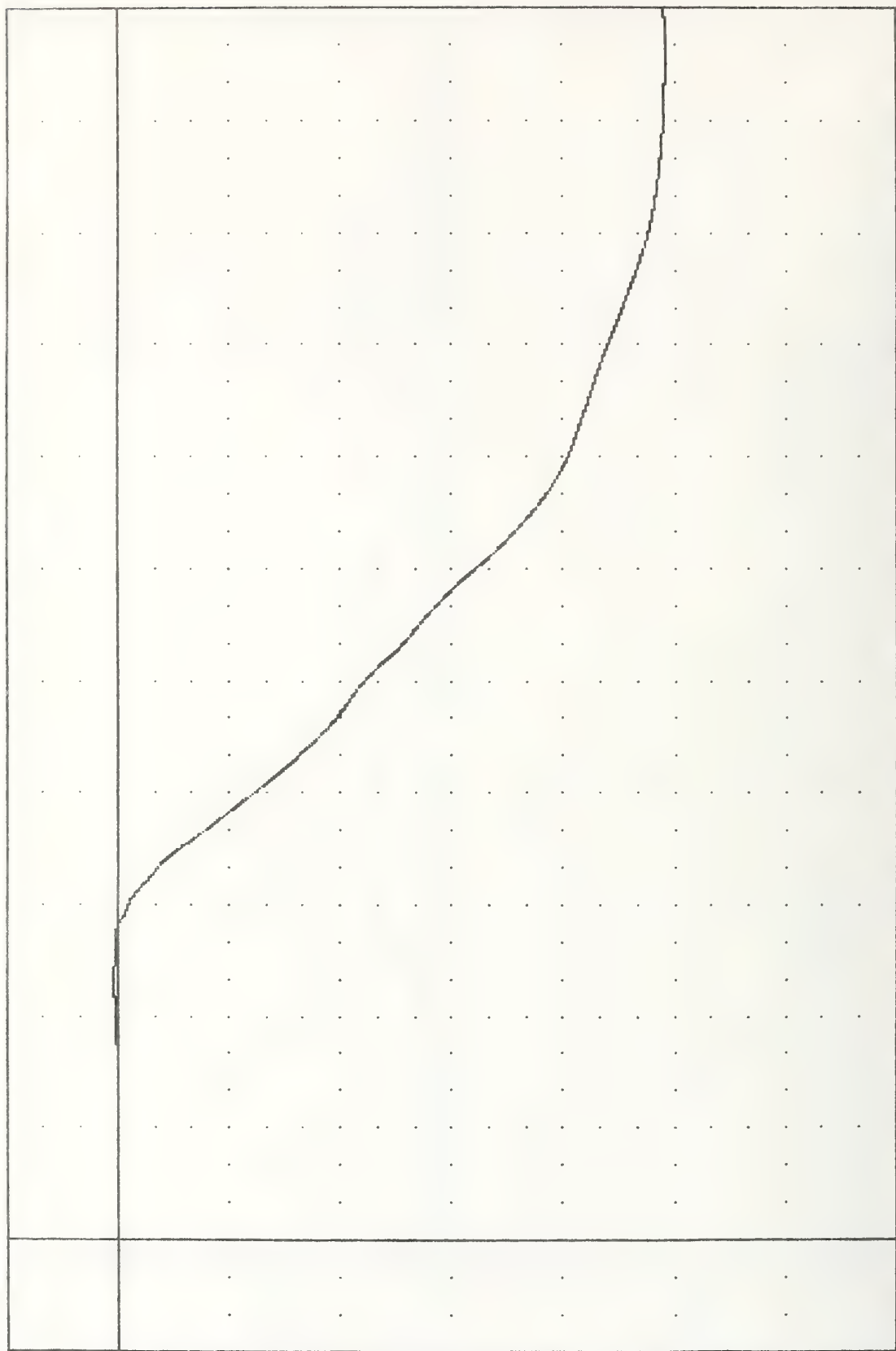
VRTC , R0384-4-35
BREED AIRBAG SLED PROGRAM
85140
HEDXV1

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -49.218 212.38, 0.31 e 45.13

10.00
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

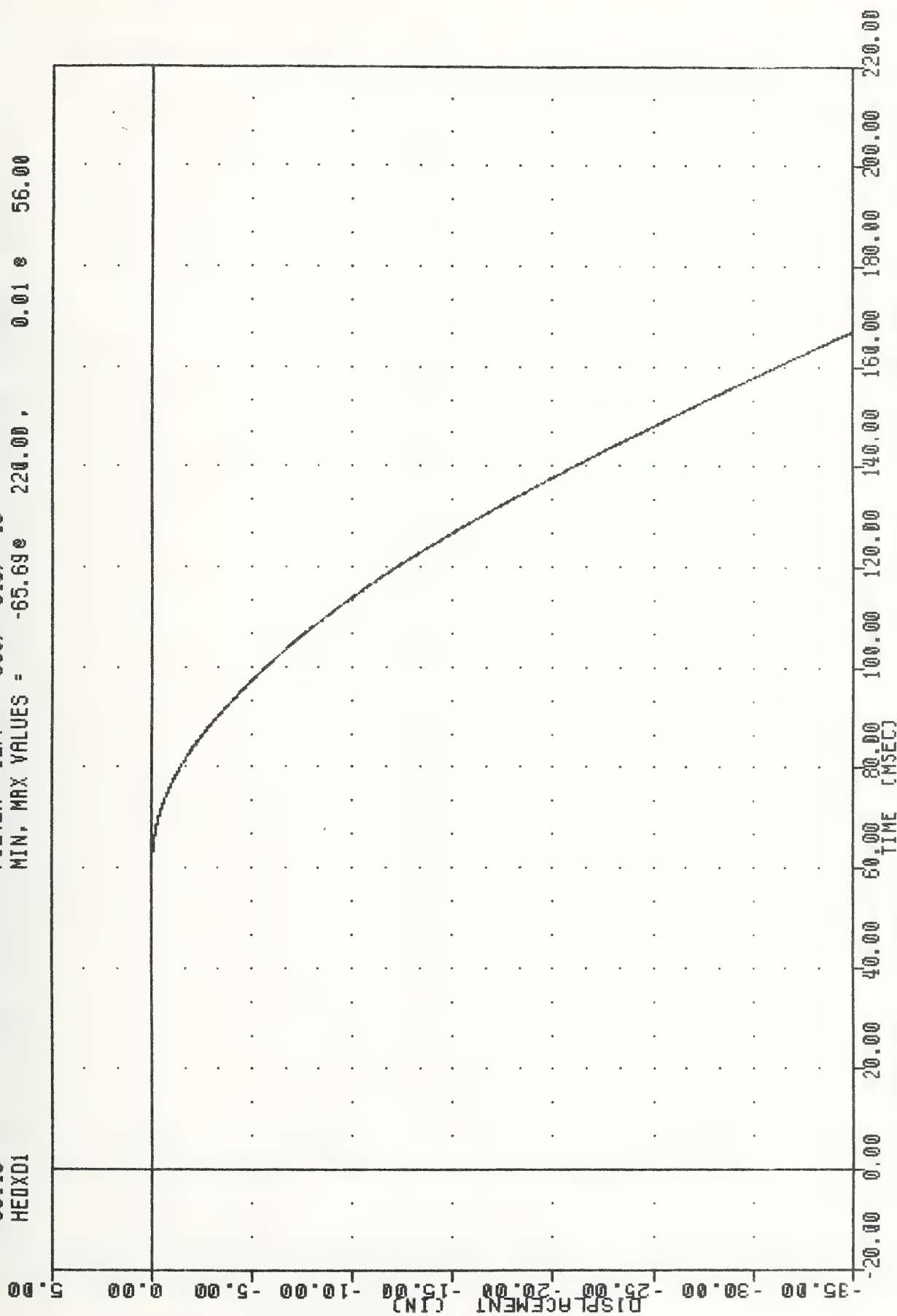
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRTC
BREED AIRBAG SLED PROGRAM
85140
HEDXD1

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -65.69e 220.00, 0.01 e 56.00

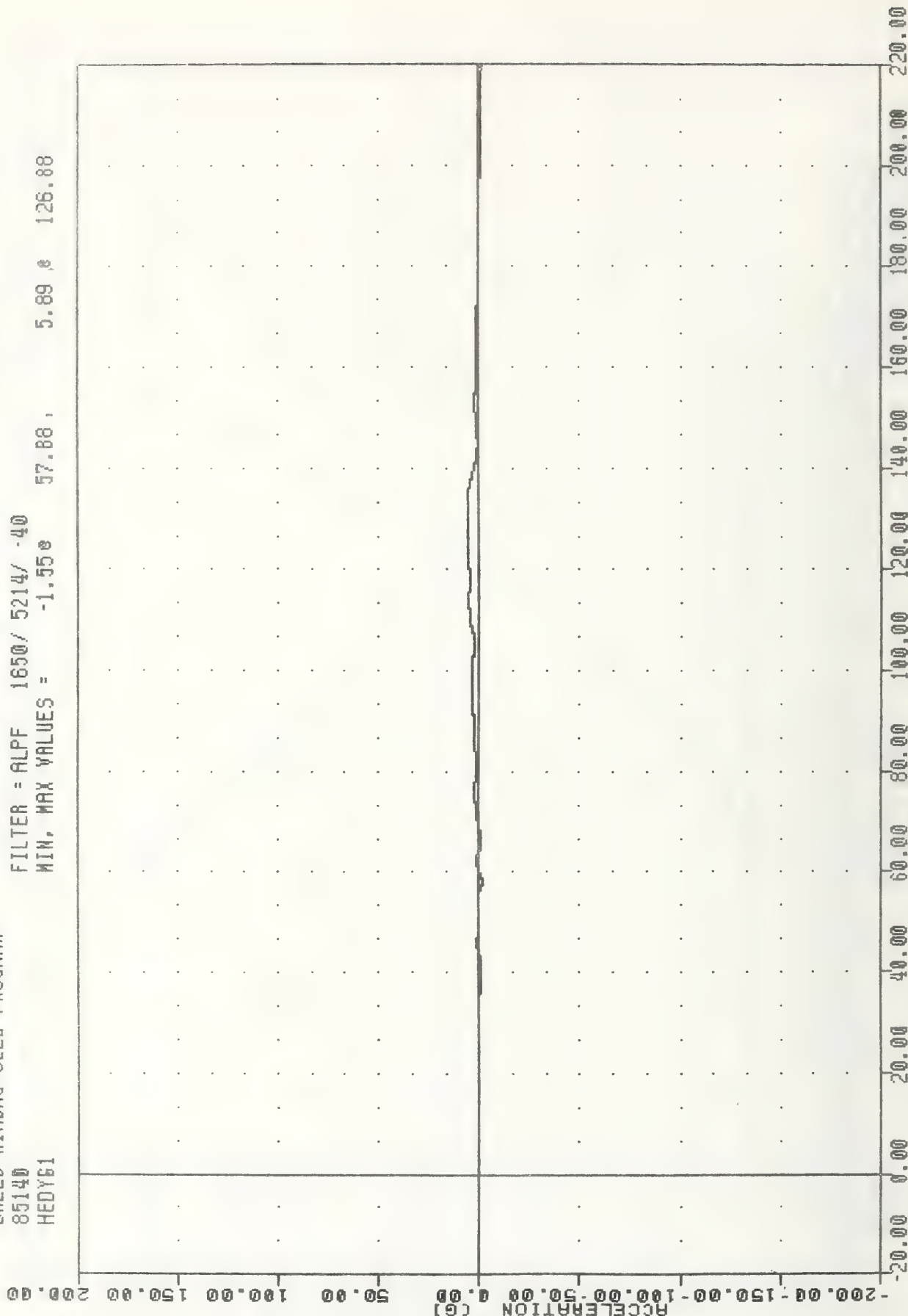


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING HEDXV1

VRTC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 HEDY61

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = -1.55e 57.88, 5.89 e 126.88

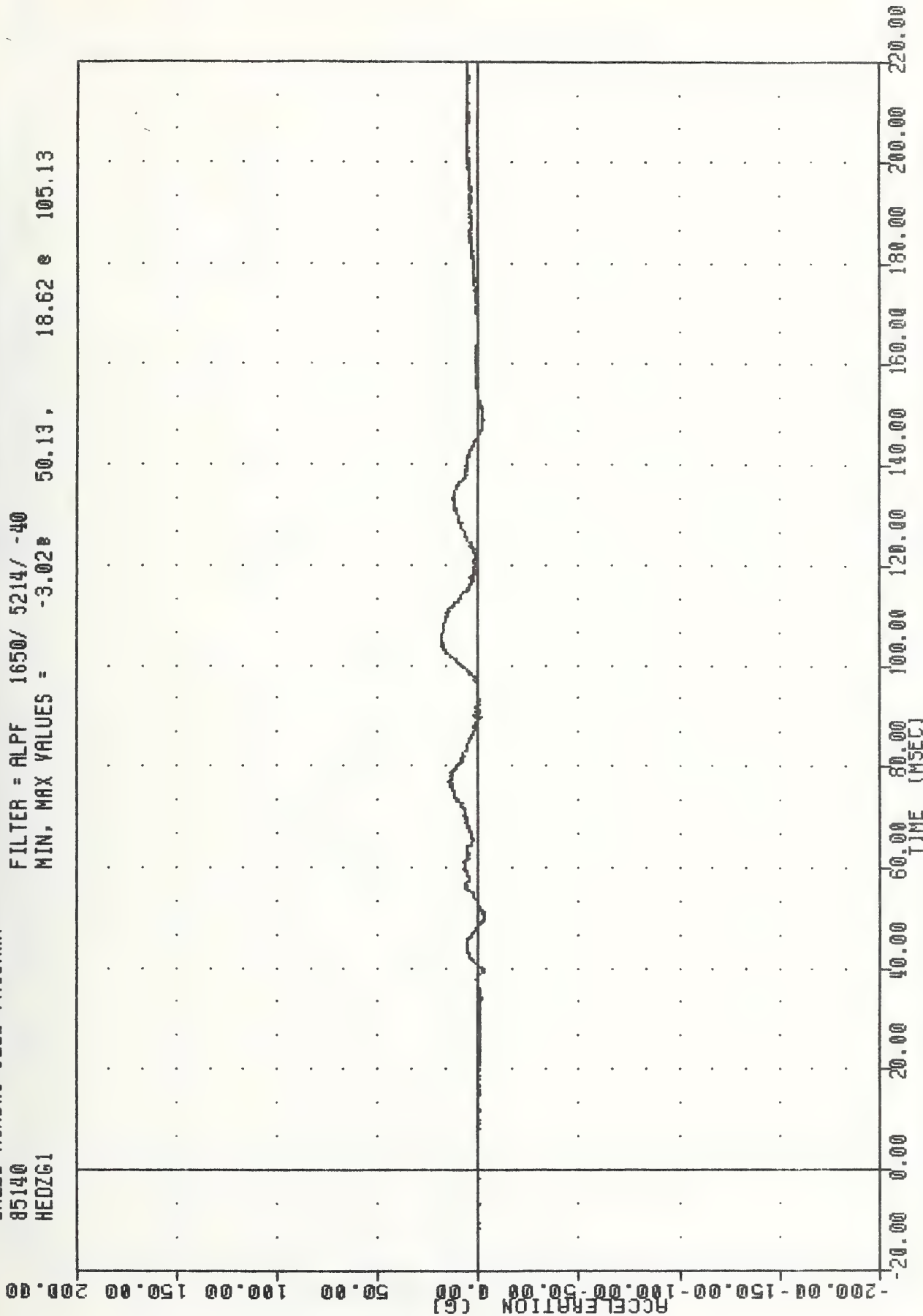


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

VRTC , R0384-4-35
BREED AIRBAG SLED PROGRAM
85140
HEDZG1

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -3.02e 50.13, 18.62 e 105.13

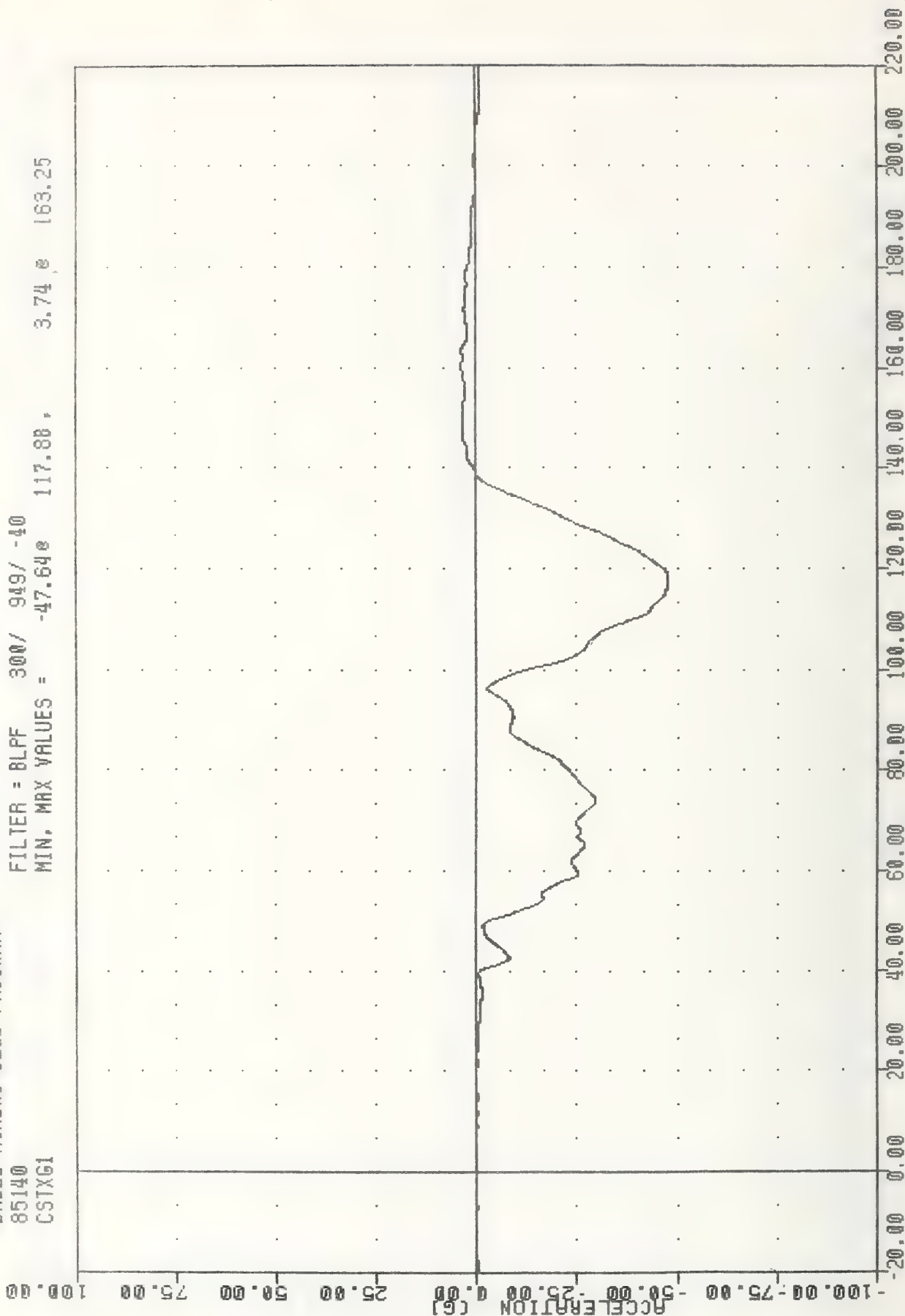


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
CSTXG1

PLOT DATE 21-MAY-85 14:01:26

FILTER = 8LPF 300/ 949/ -40
MIN, MAX VALUES = -47.64g 117.88g 3.74g 163.25



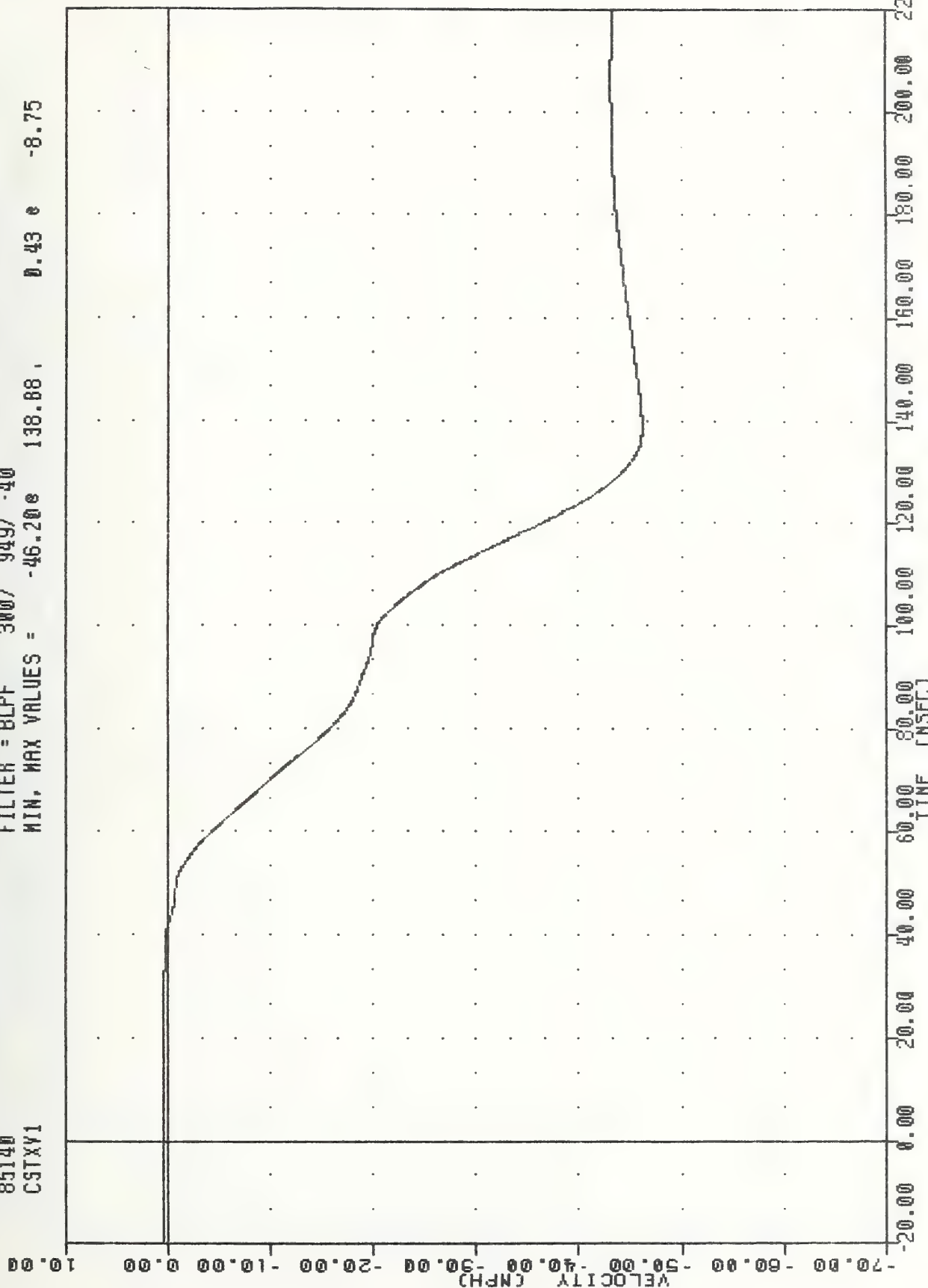
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VATC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
CSTXV1

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -46.200 138.88 , 0.43 0 -8.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING CSTXG1

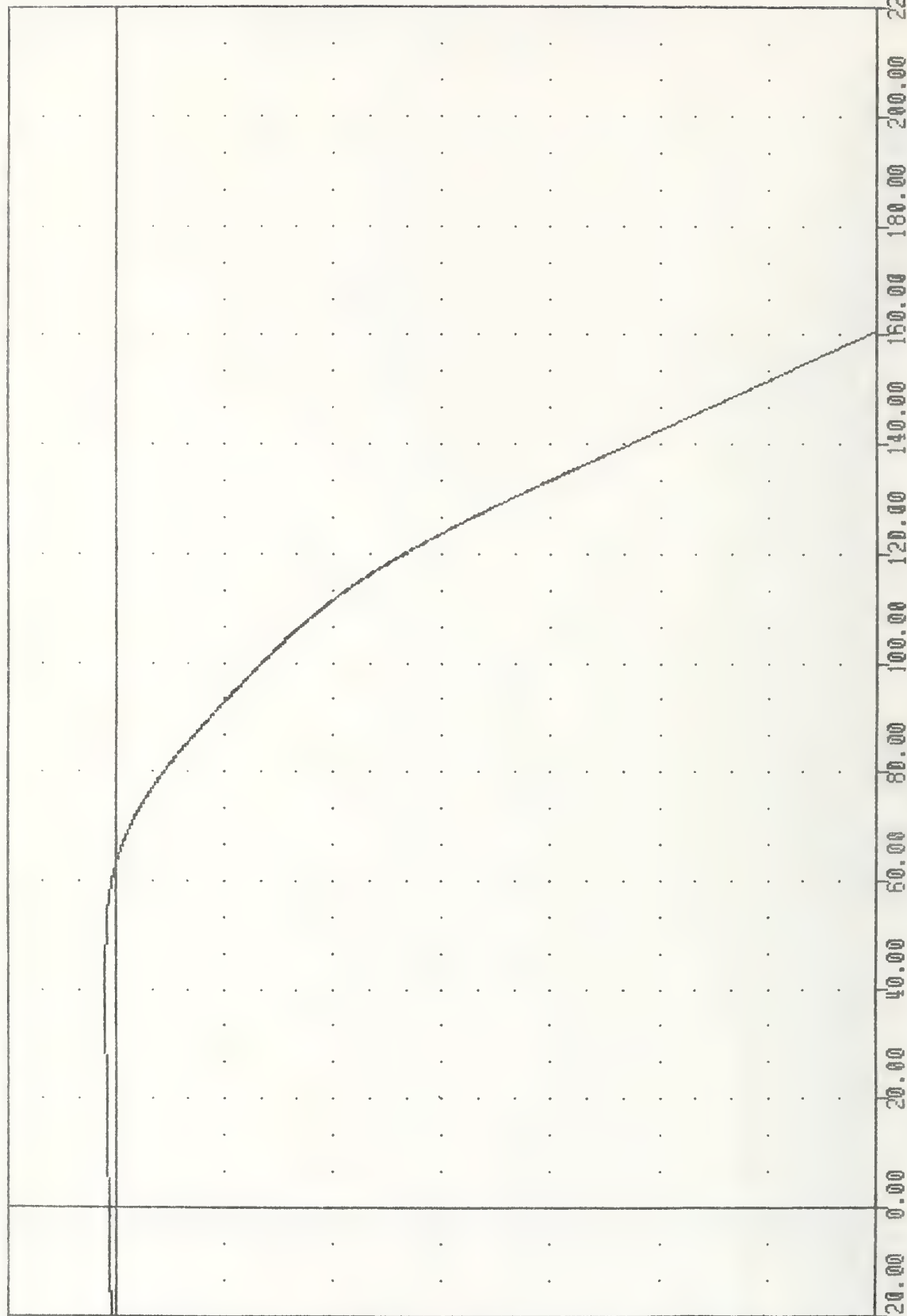
VRTC , R0384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 CSTXD1

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -65.988 220.00, 0.49 41.63

DISPLACEMENT (IN)



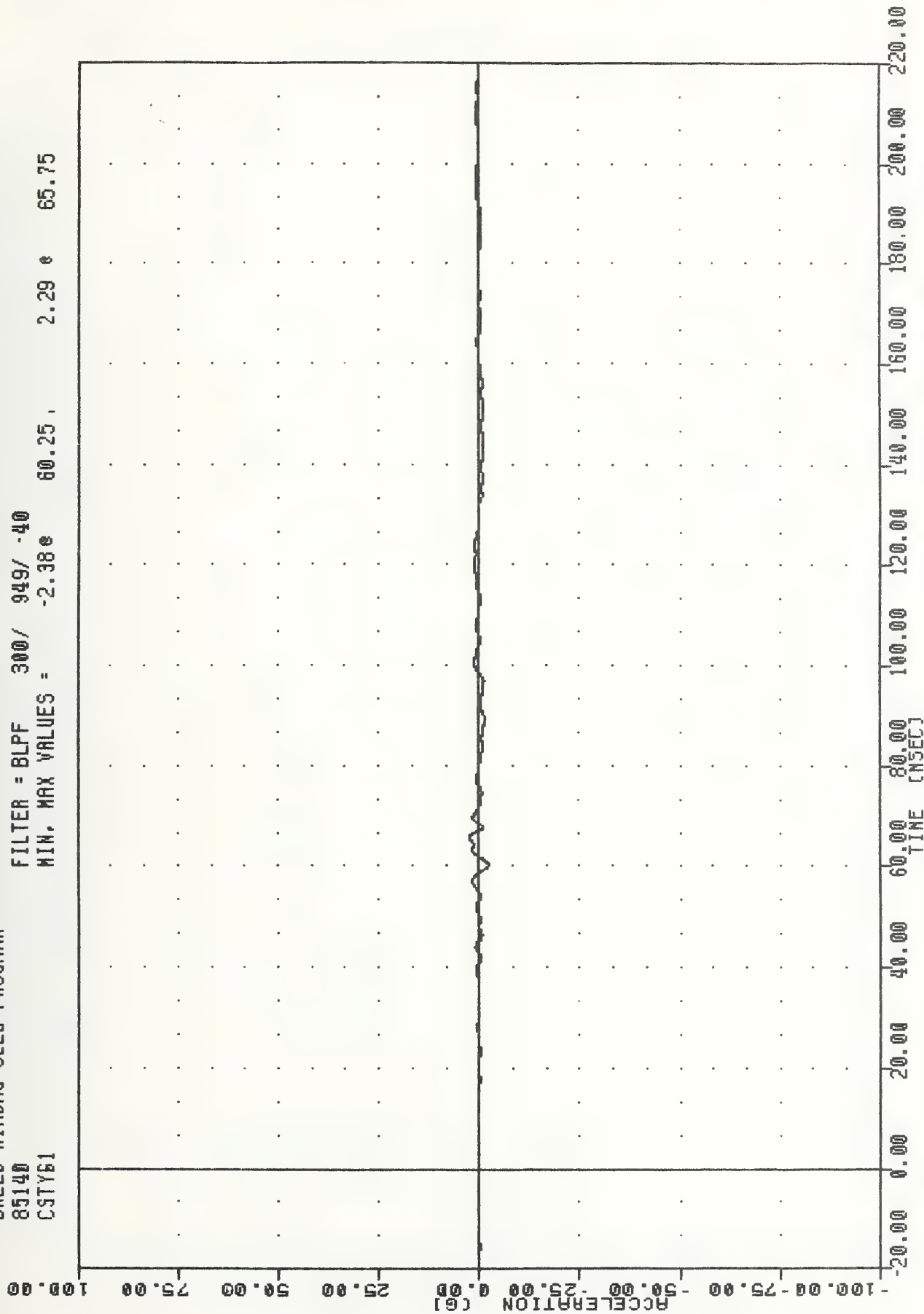
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING CSTXV1

VRAC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
CSTY61

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -2.38e 60.25, 2.29 e 65.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
CSTZG1

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF

300/ 949/ -40

MIN, MAX VALUES =

-6.730

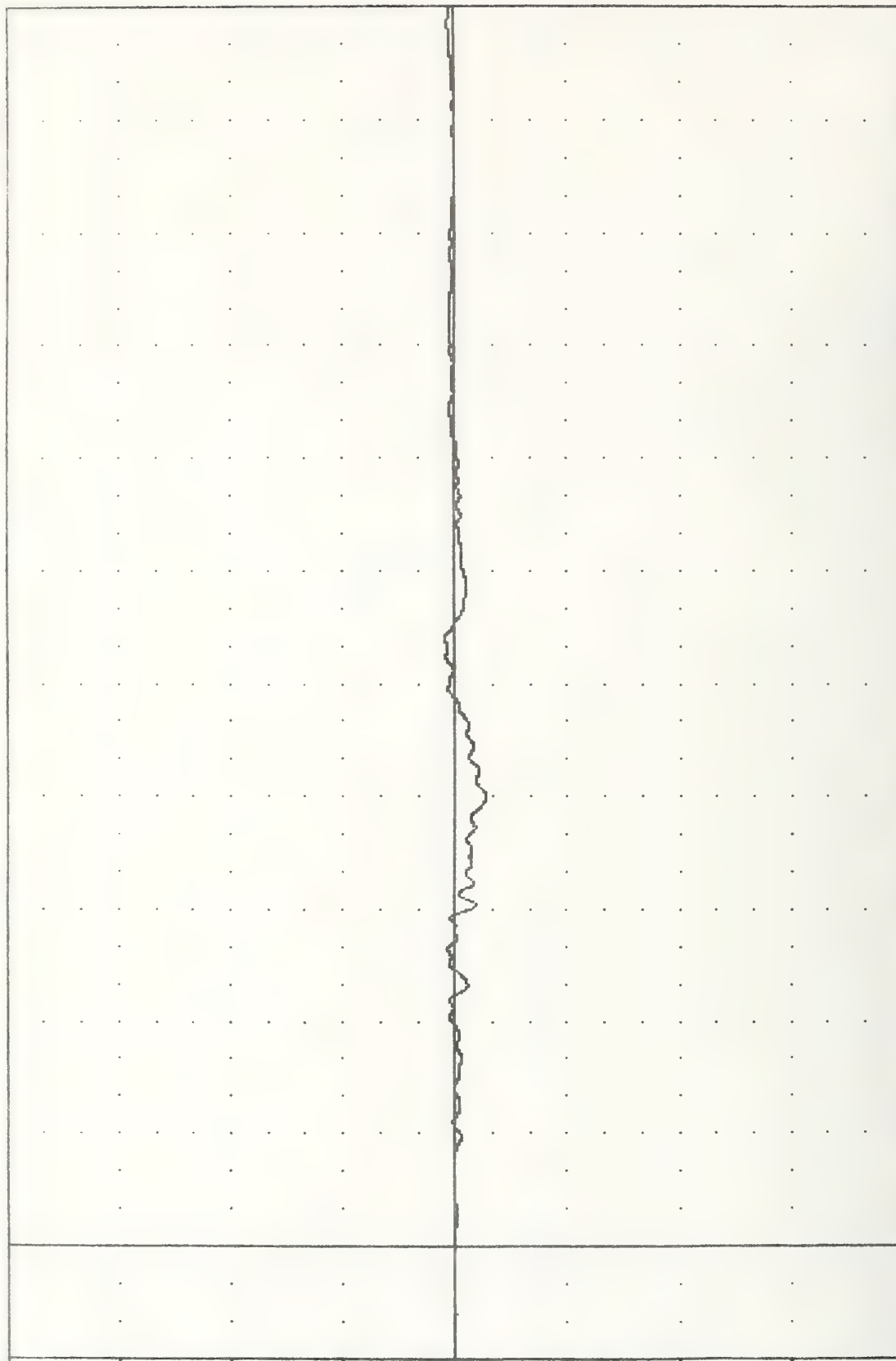
79.88,

2.23 @ 108.00

100.00
75.00
50.00
25.00
0.00
-25.00
-50.00
-75.00
-100.00

ACCELERATION (G)

280



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

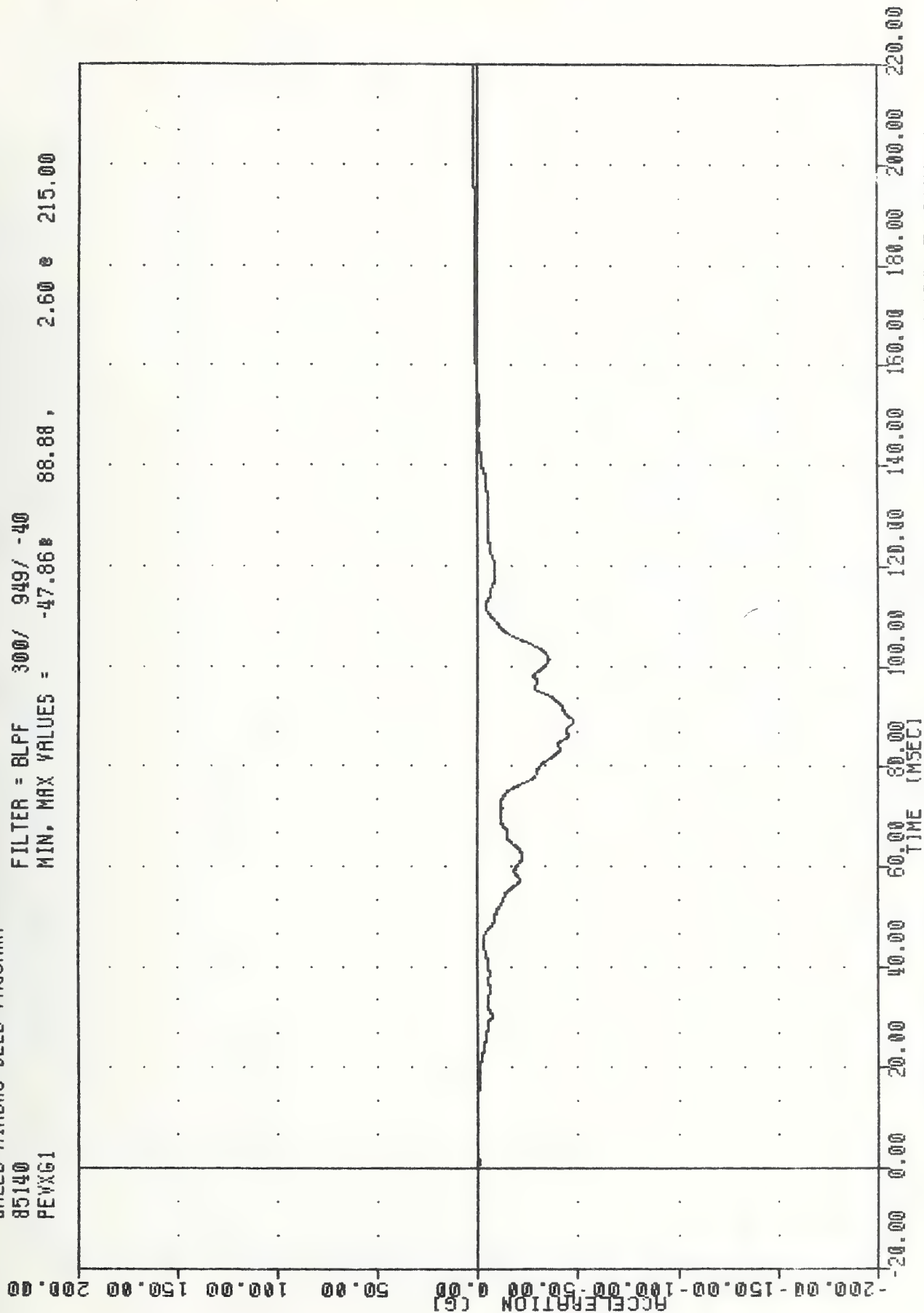
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

VRTC , RD384-4-35
BRAED AIRBAG SLED PROGRAM
85140
PEVXG1

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -47.86 88.88 , 2.60 e 215.00



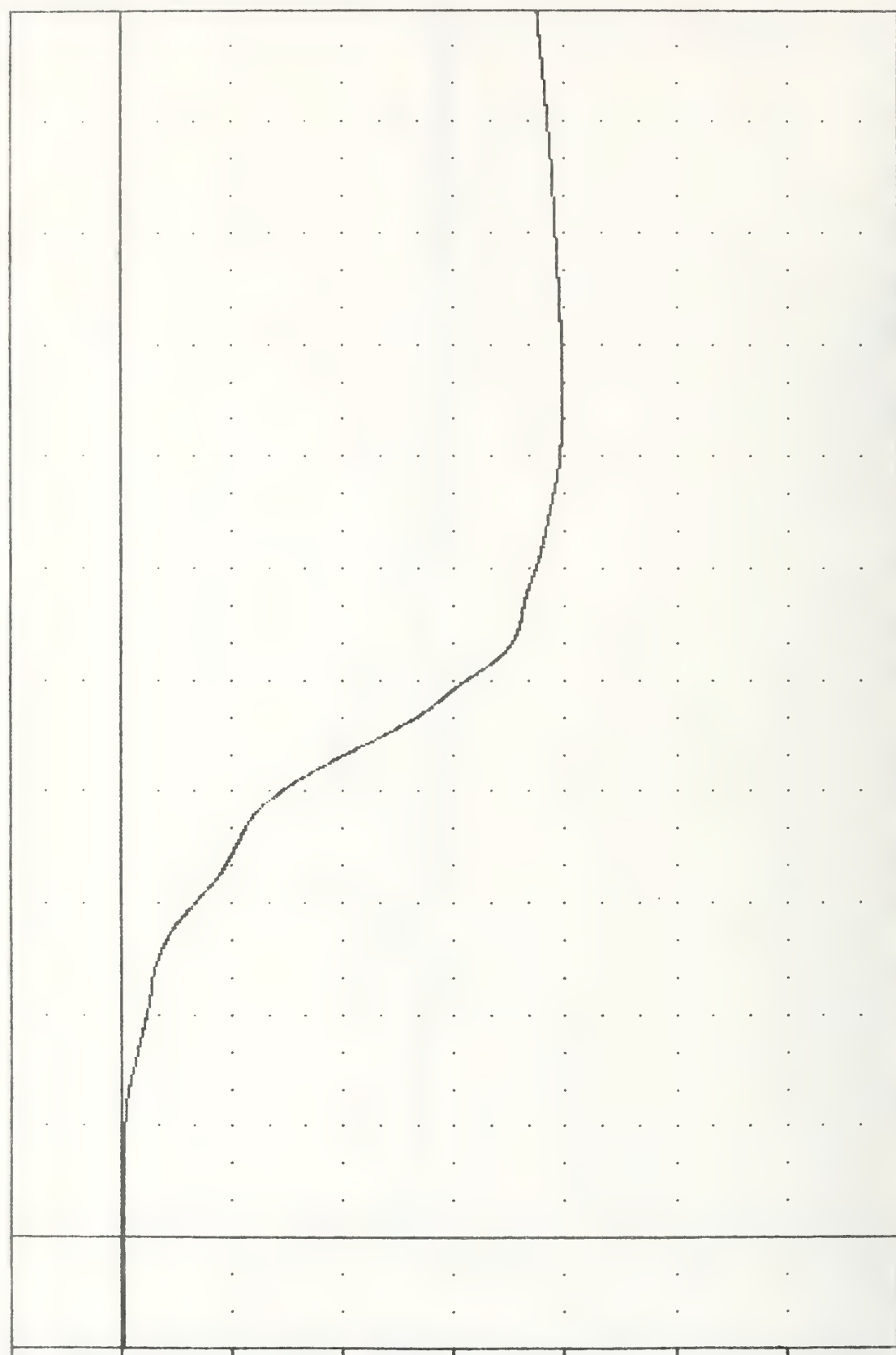
VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
PEVXV1

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -39.76e 154.88, -0.21 e -1.00

VELOCITY (MPH)



TIME (MSEC)

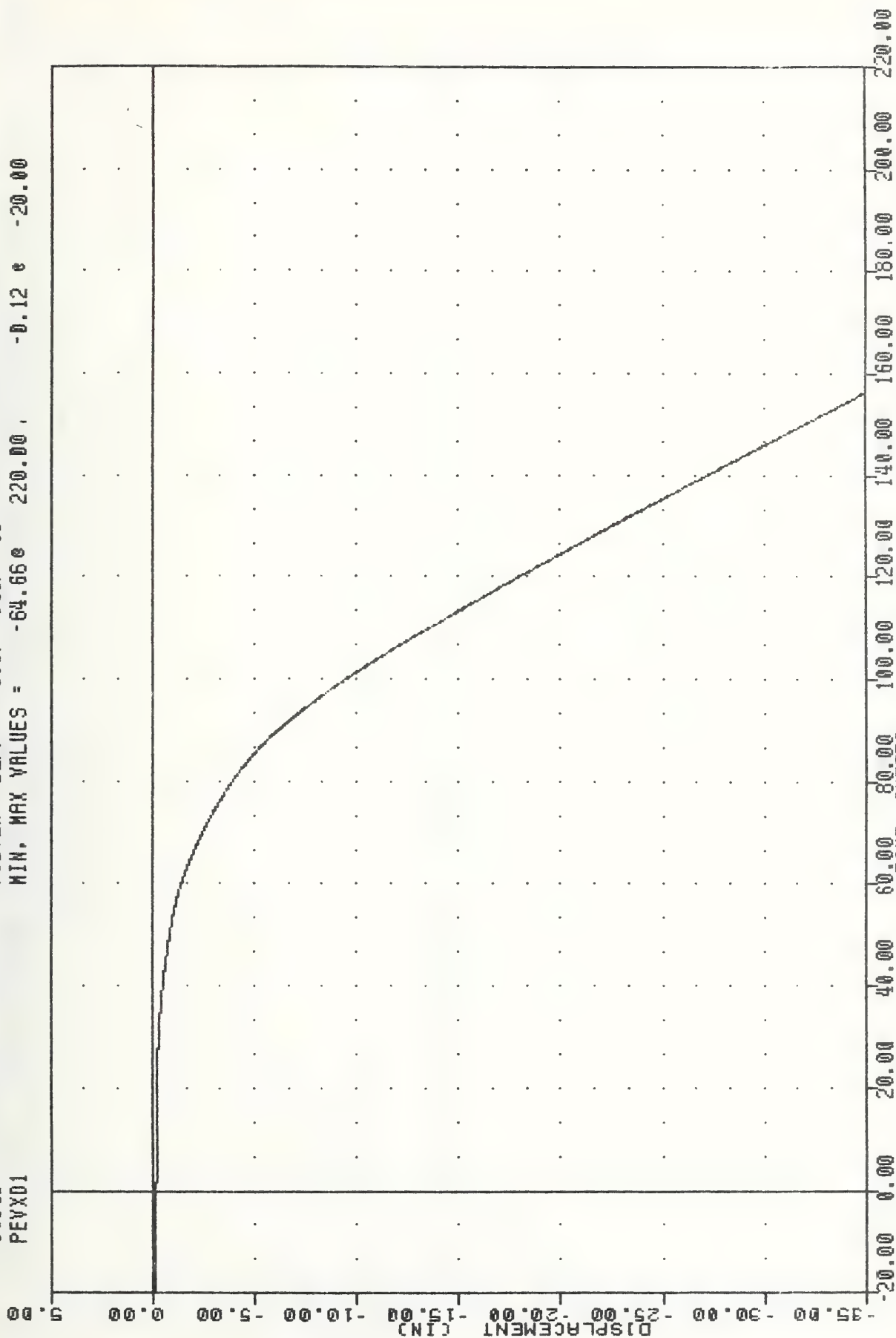
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEVXG1

VRIC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
PEVXD1

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -64.66e 220.00, -0.12 e -20.00



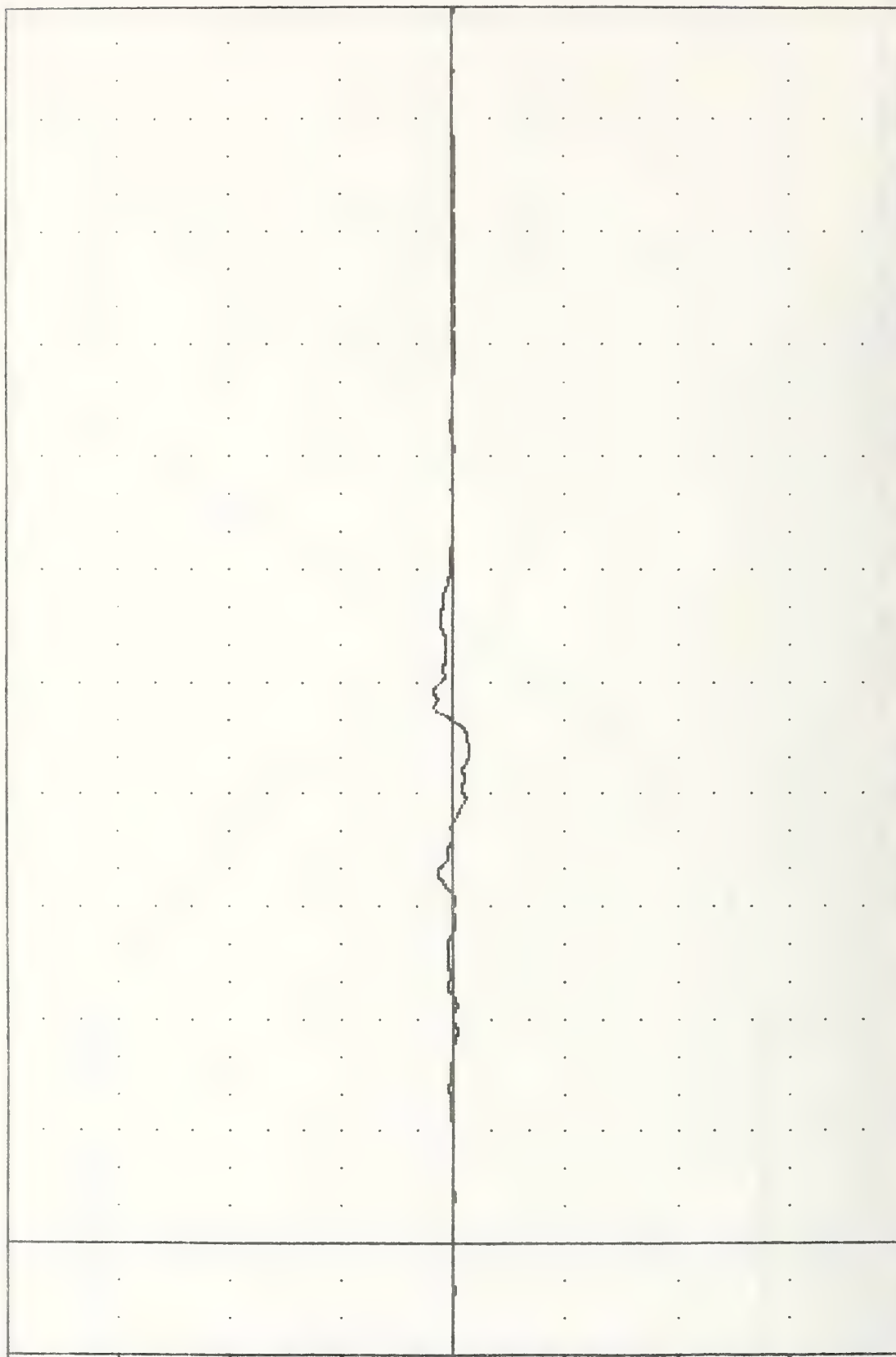
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING PEVXV1

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
PEYVG1

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -7.60e 88.13, 8.69 e 98.25

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VRTC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 PEVZ61

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -15.00e 109.13 , 1.56 e 171.50

200.00

150.00

100.00

50.00

0.00

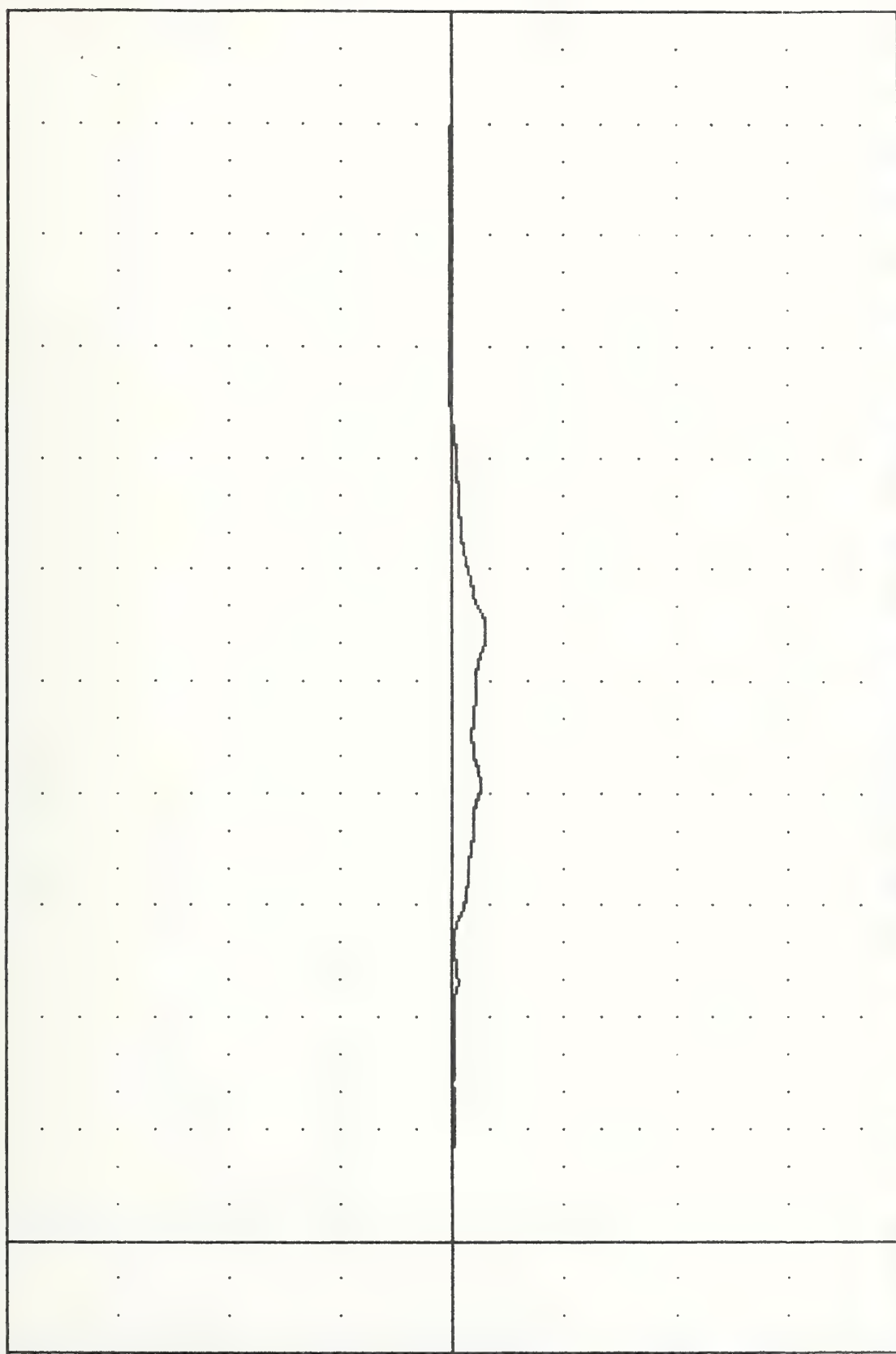
-50.00

-100.00

-150.00

-200.00

ACCELERATION (G)



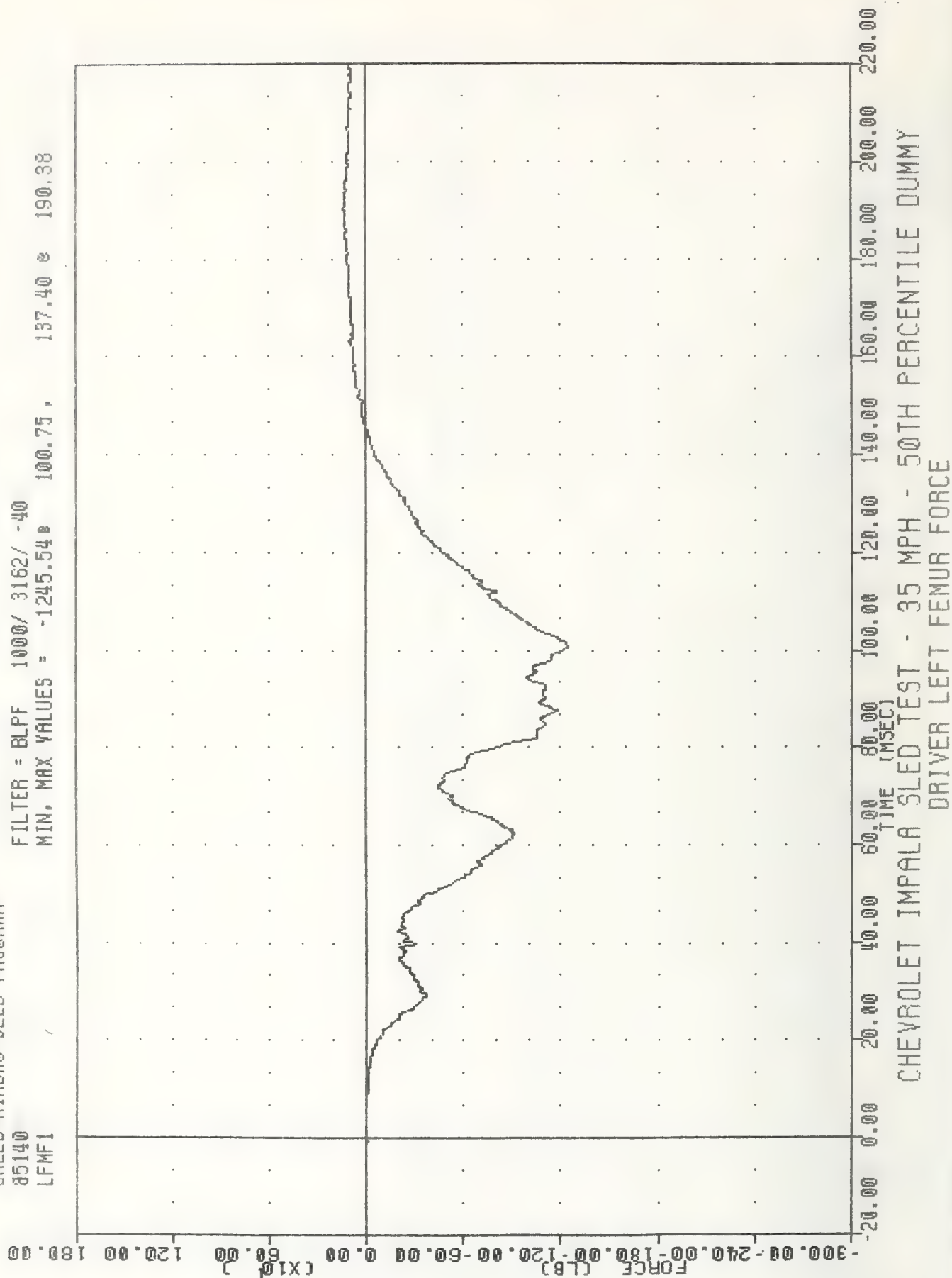
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
LFMF1

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -1245.548 100.75, 137.40 e 190.38

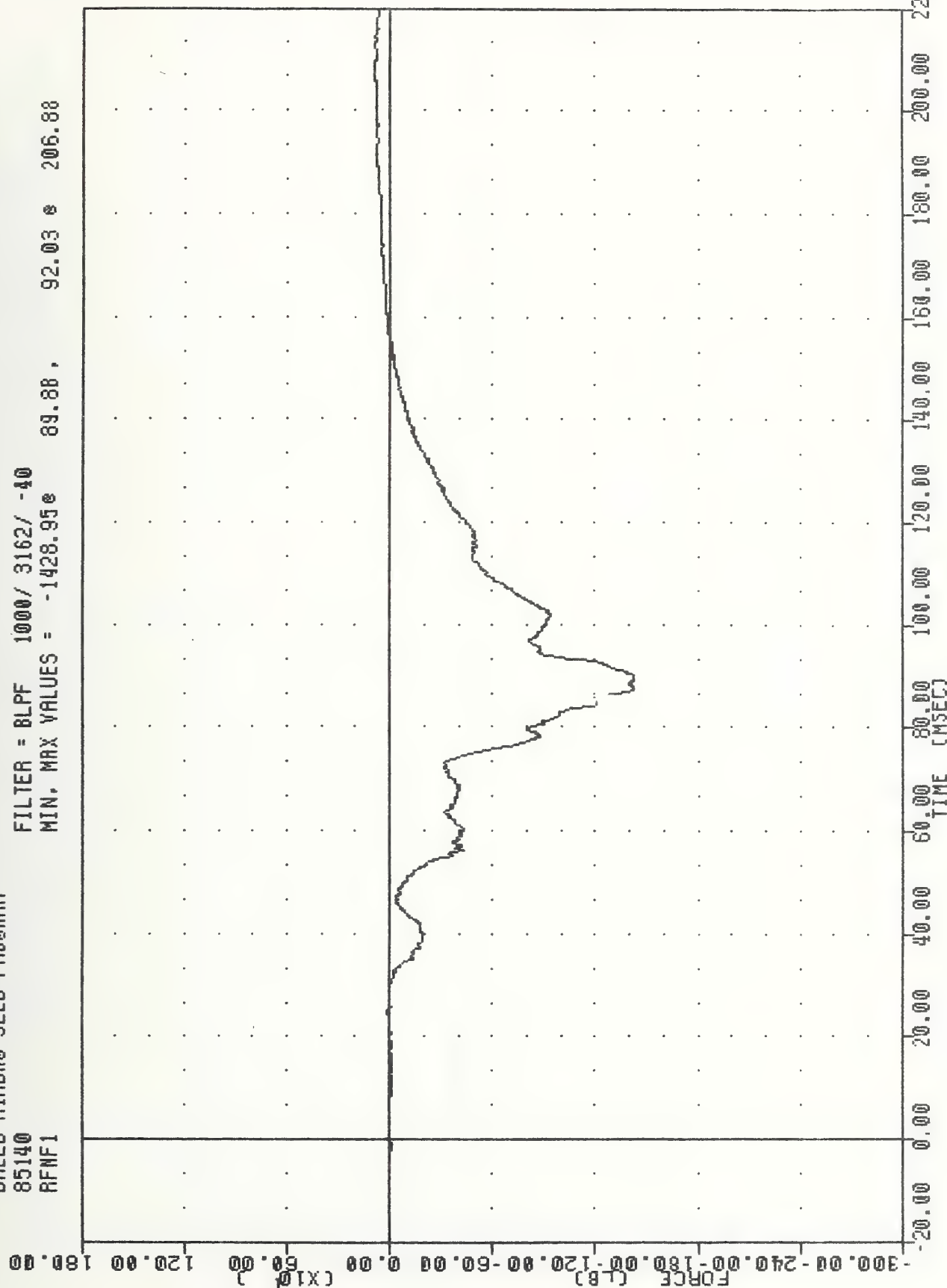


VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
RFNF1

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -1428.95e 89.88 , 92.03 e 206.88



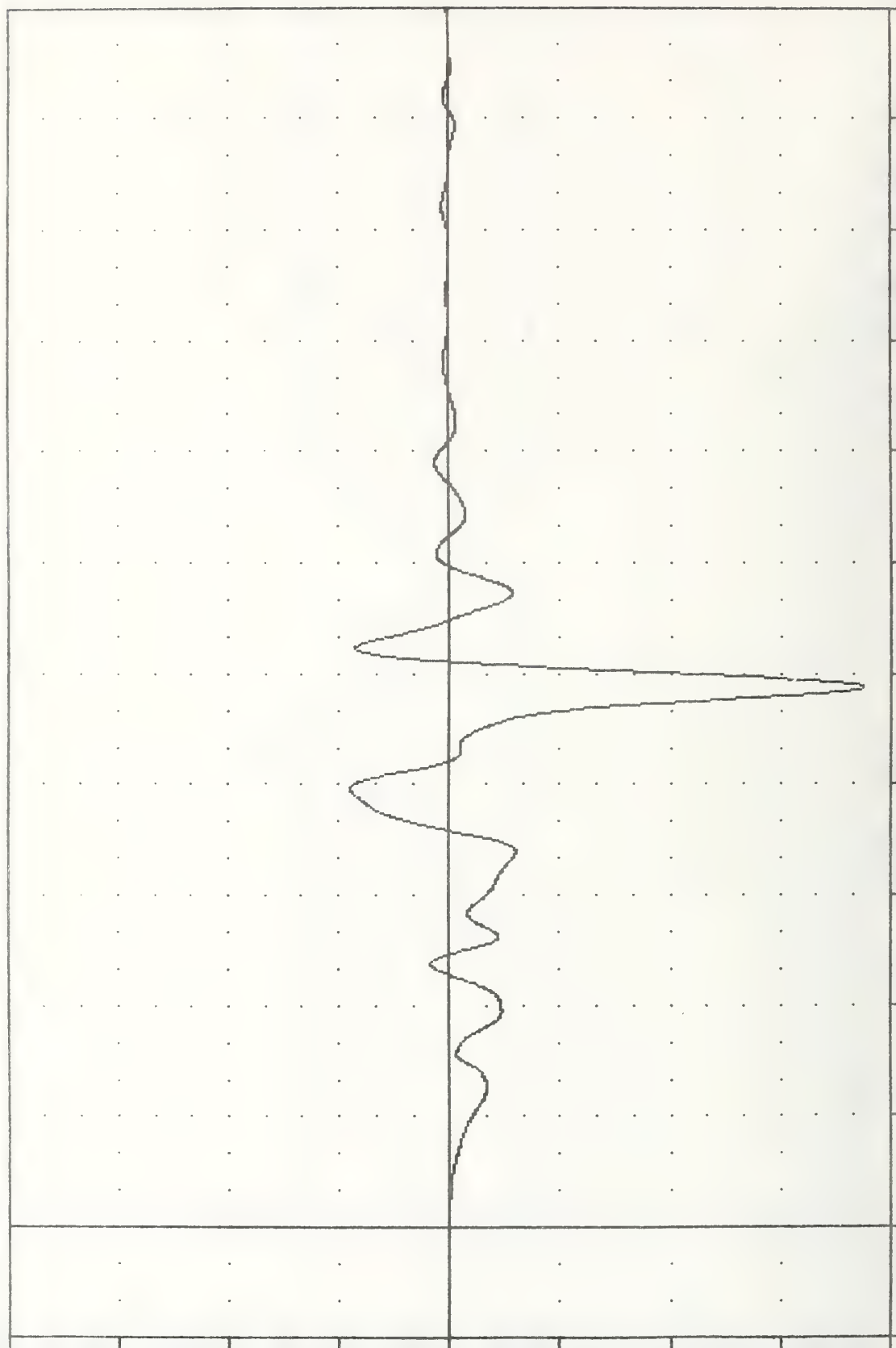
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VRTC , RD384-4-35
BAEED AIRBAG SLED PROGRAM
85140
STHPG

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 100% 316/ -40
MIN, MAX VALUES = -187.66g 97.50g 44.72g 79.13

ACCELERATION (G)



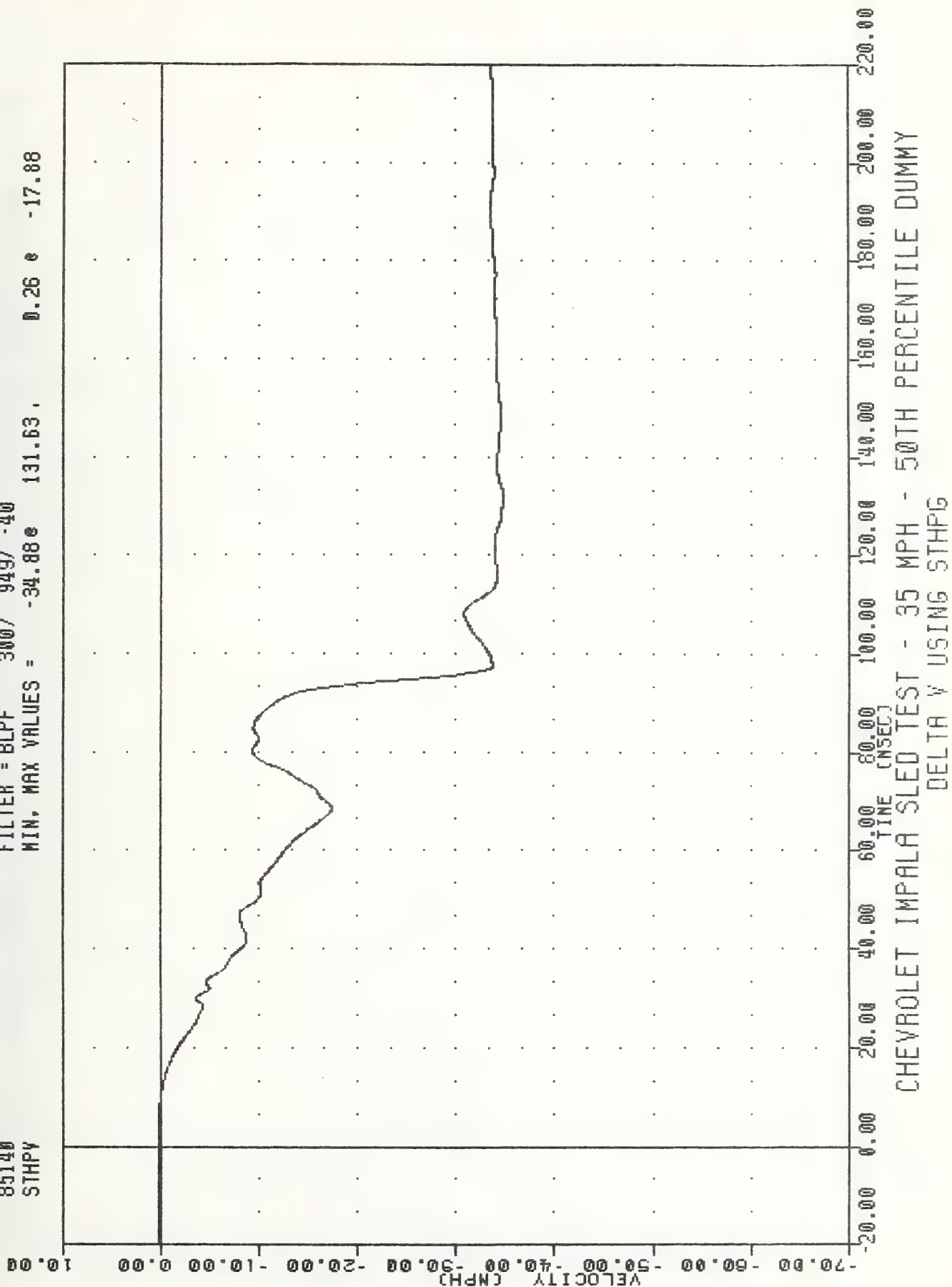
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

VATIC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 STHPV

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -34.88e 131.63, 0.26 e -17.88



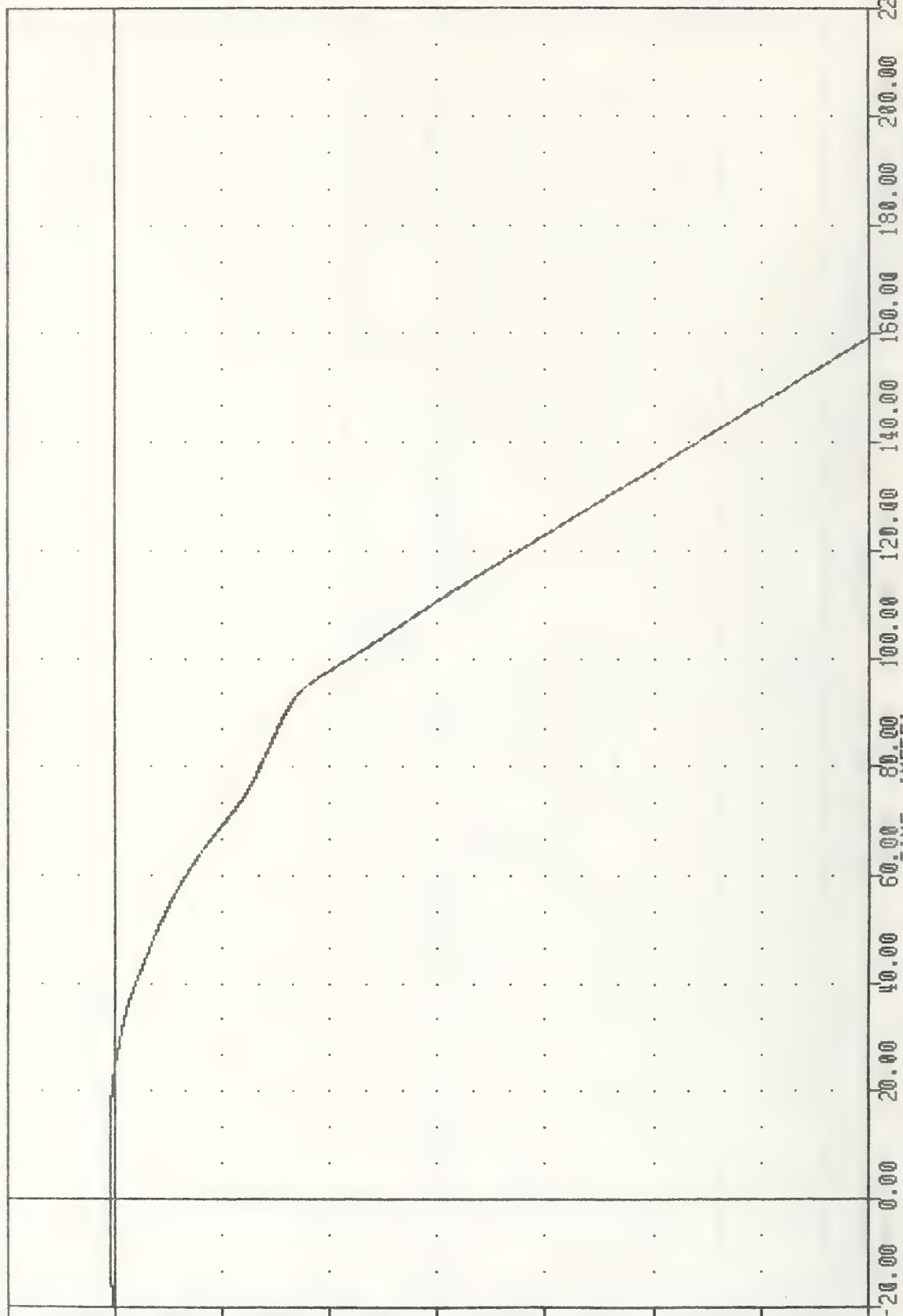
VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
STHPD

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -59.63 220.00, 0.20 9.75

DISPLACEMENT (IN)



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING STHPV

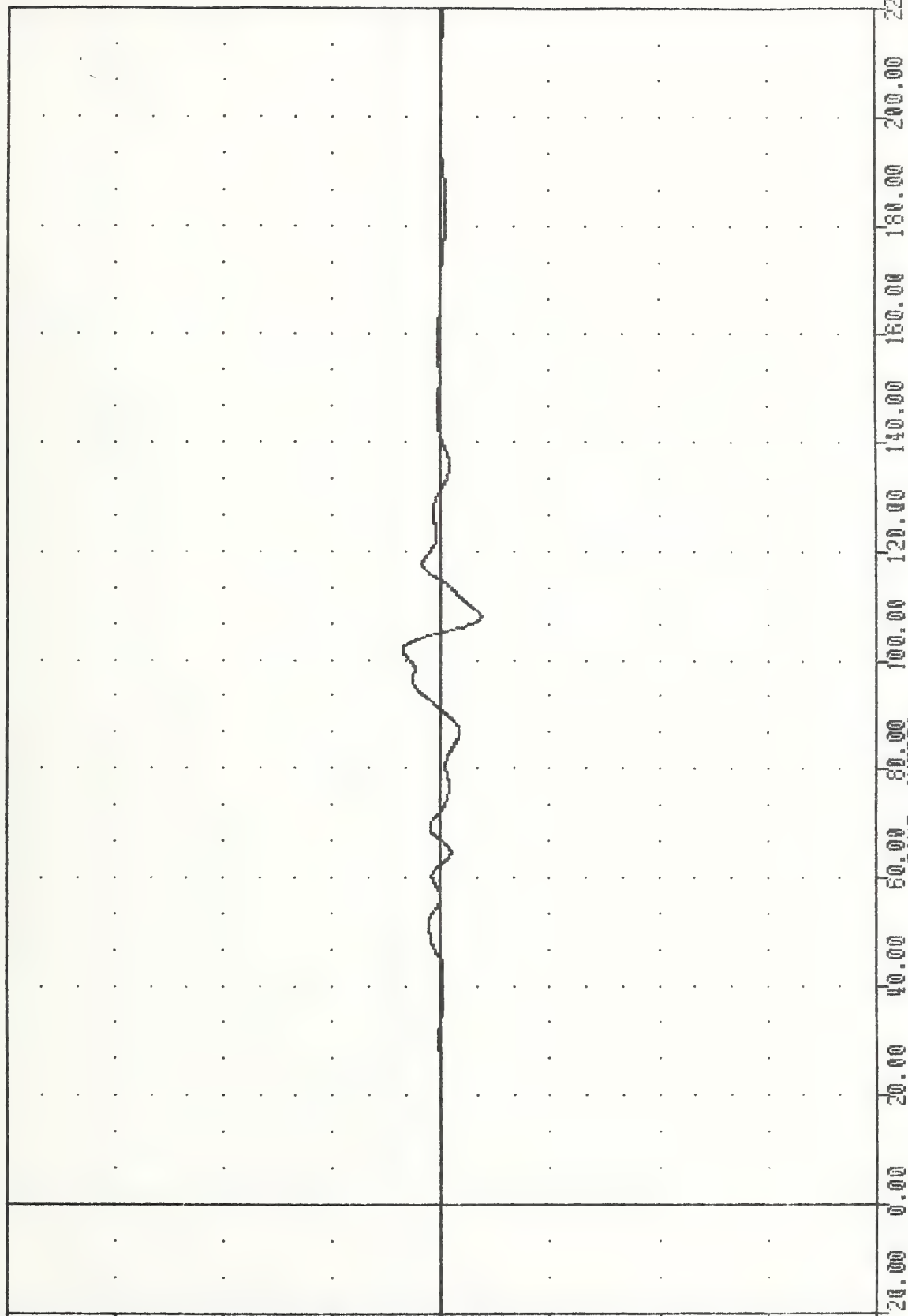
VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
STHLG

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -18.33 108.00 , 17.69 101.75

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

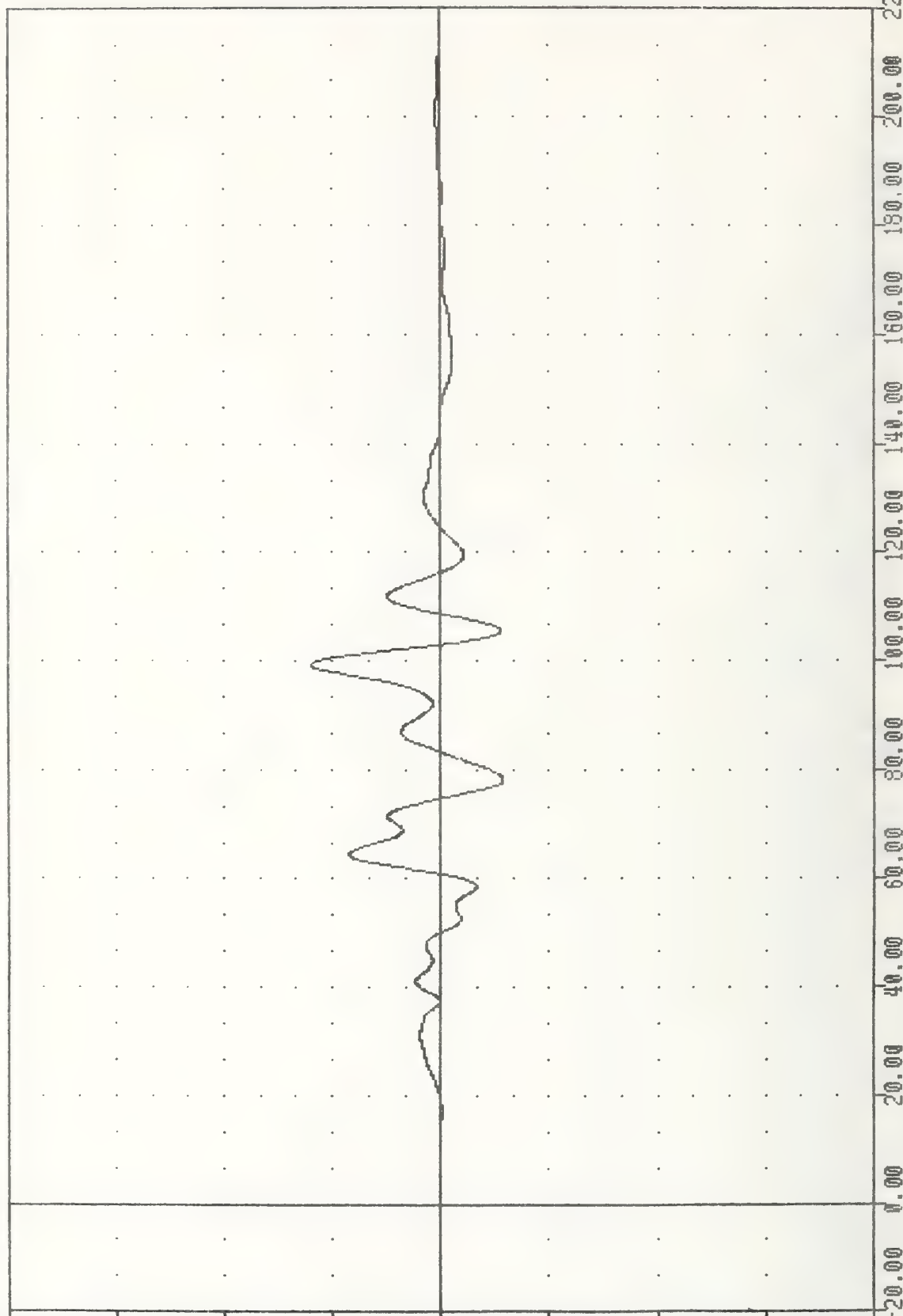
VRIC , RD384-4-35
BRAED AIRBAG SLED PROGRAM
85140
STHIS

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -28.89e 78.13, 59.69 e 99.25

ACCELERATION [G]



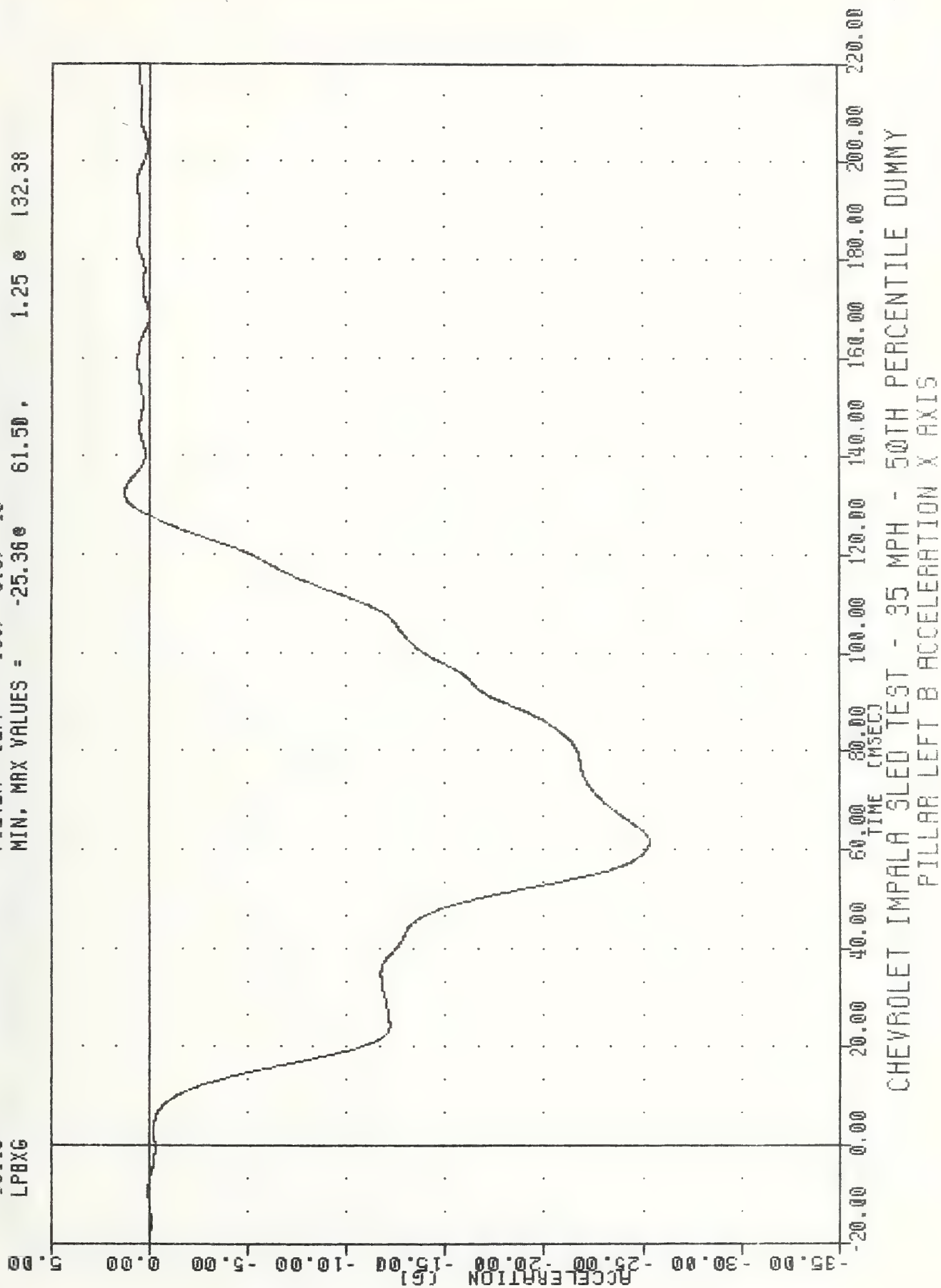
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

VRIC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
LPBXG

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -25.36e 61.50, 1.25 e 132.38

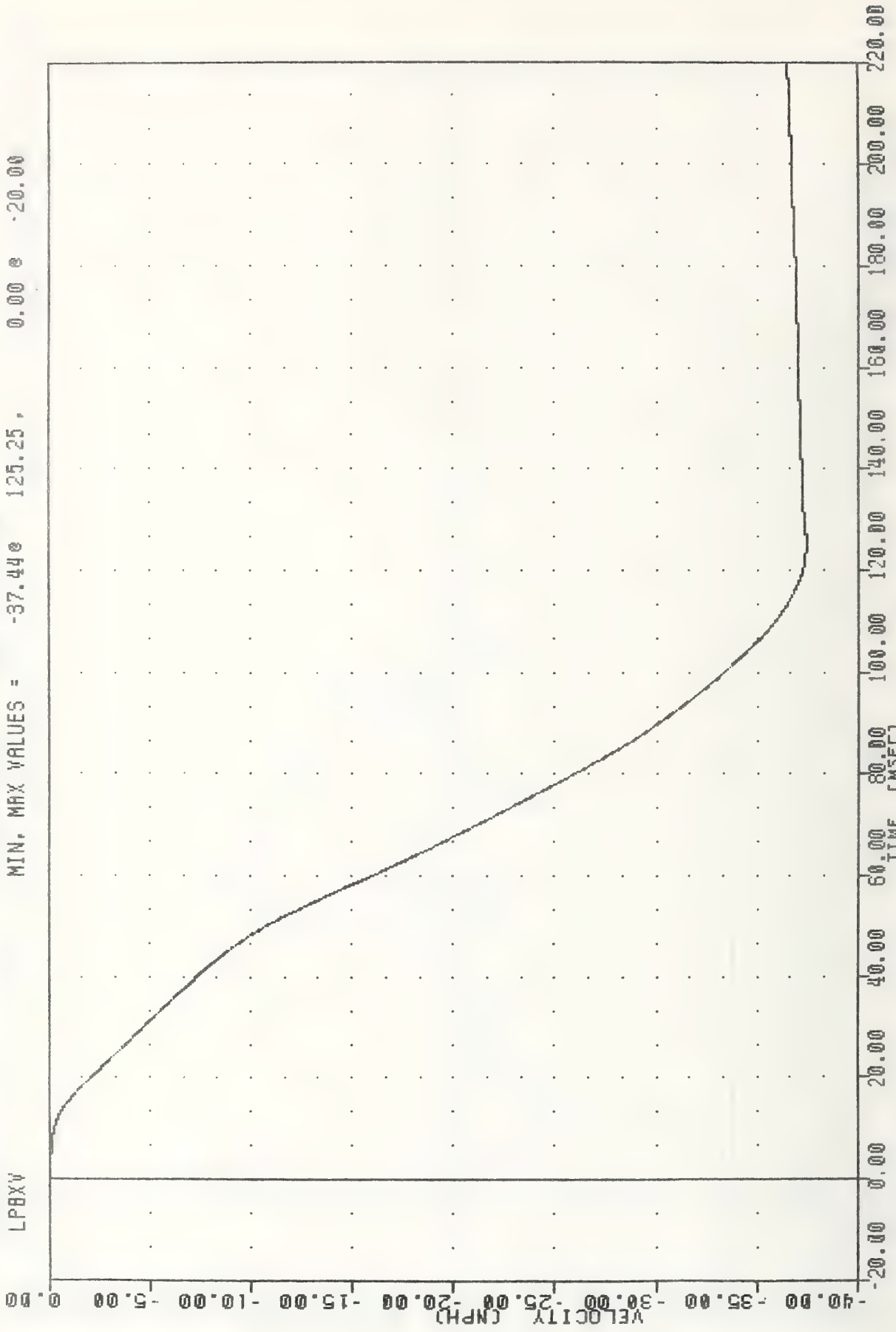


VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
LPBXV

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -37.44e 125.25, 0.00 e -20.00



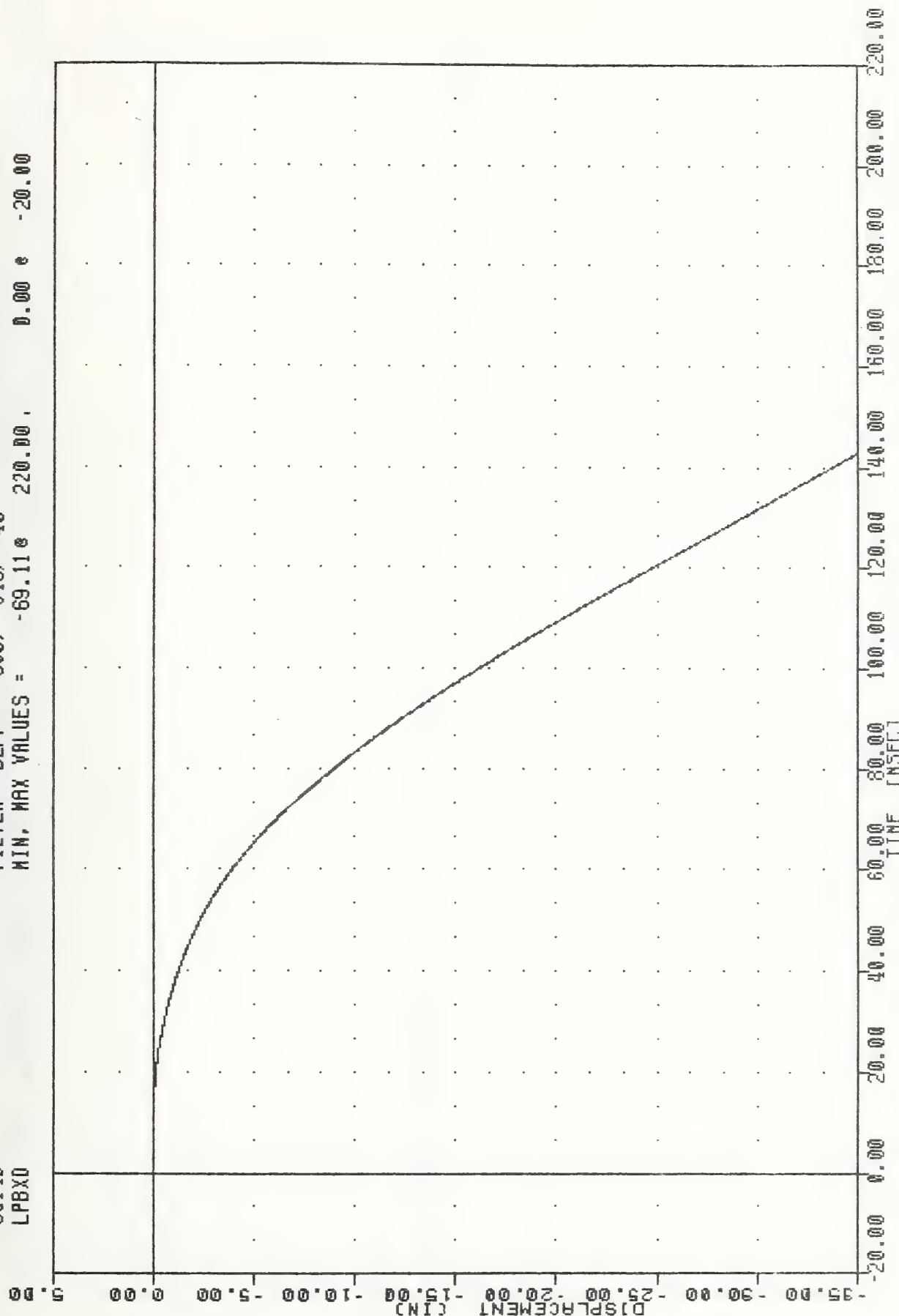
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBXG

VATC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
LPBX0

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -69.110 220.00, 0.00 e -20.00



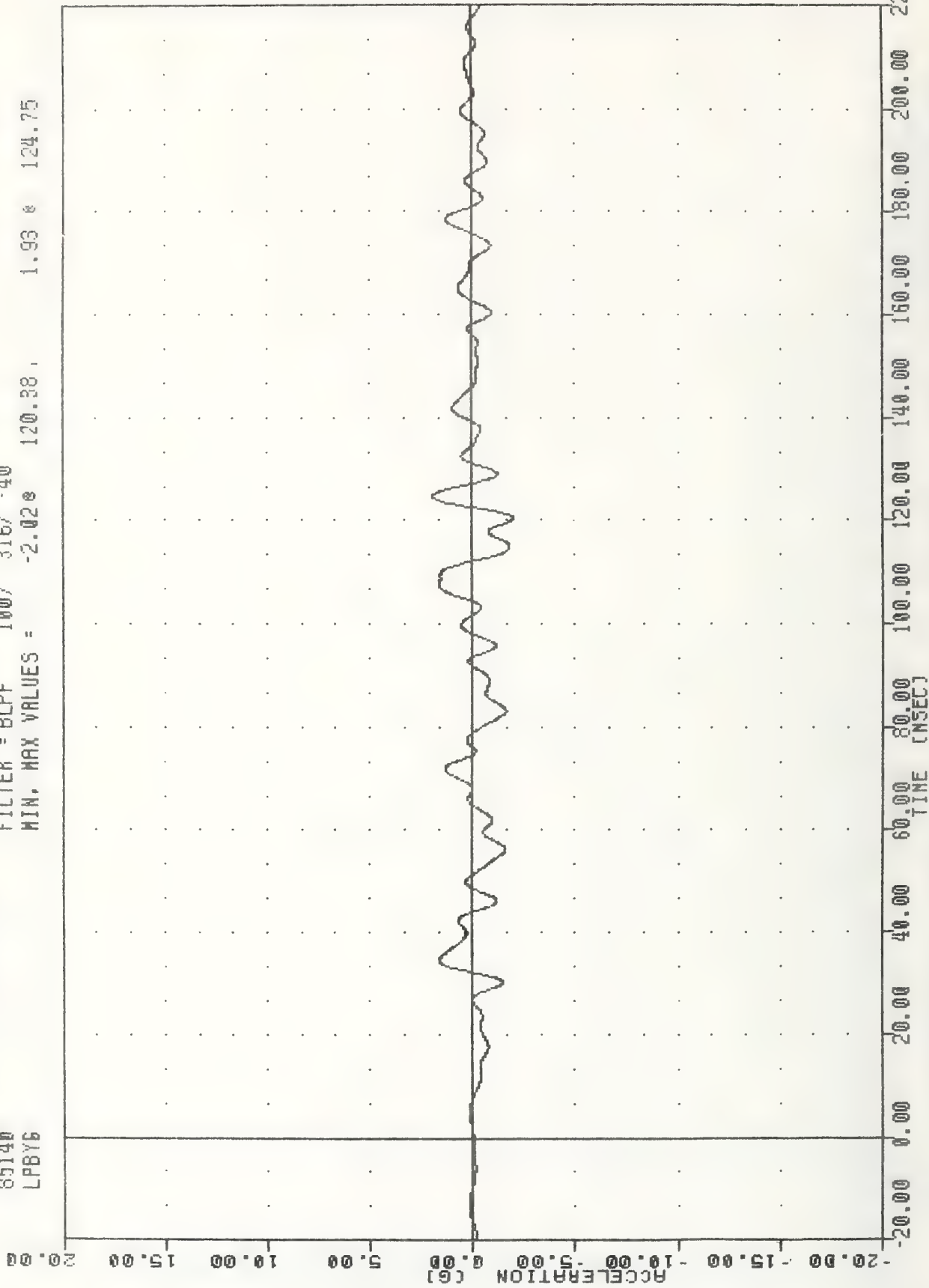
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING LPBXV

WRTC , RD384-4-35
BRAED AIRBAG SLED PROGRAM
85140
LPBY6

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -2.02g 120.38 , 1.93 g 124.75

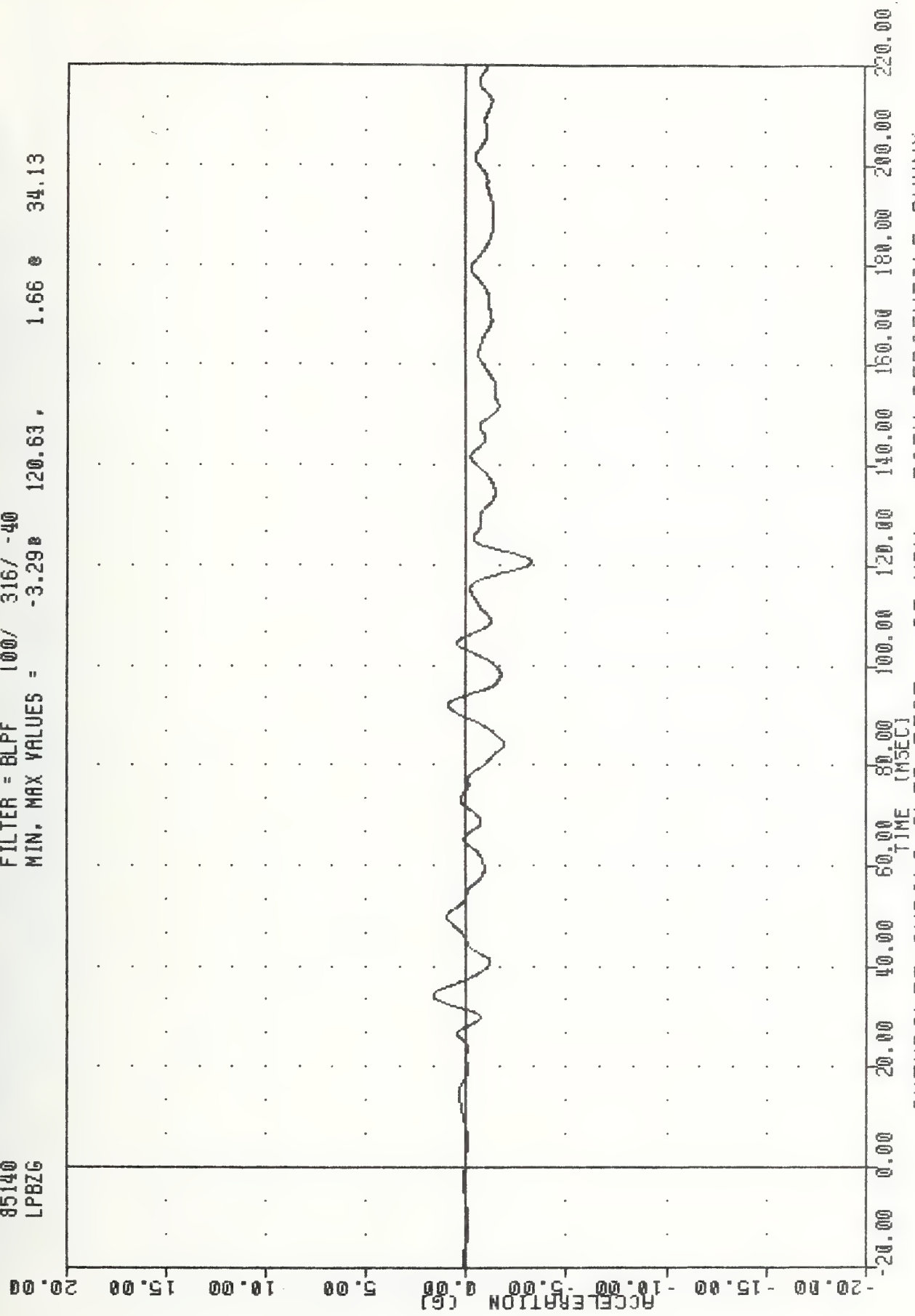


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
LPBZG

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -3.29e 120.63, 1.66 e 34.13



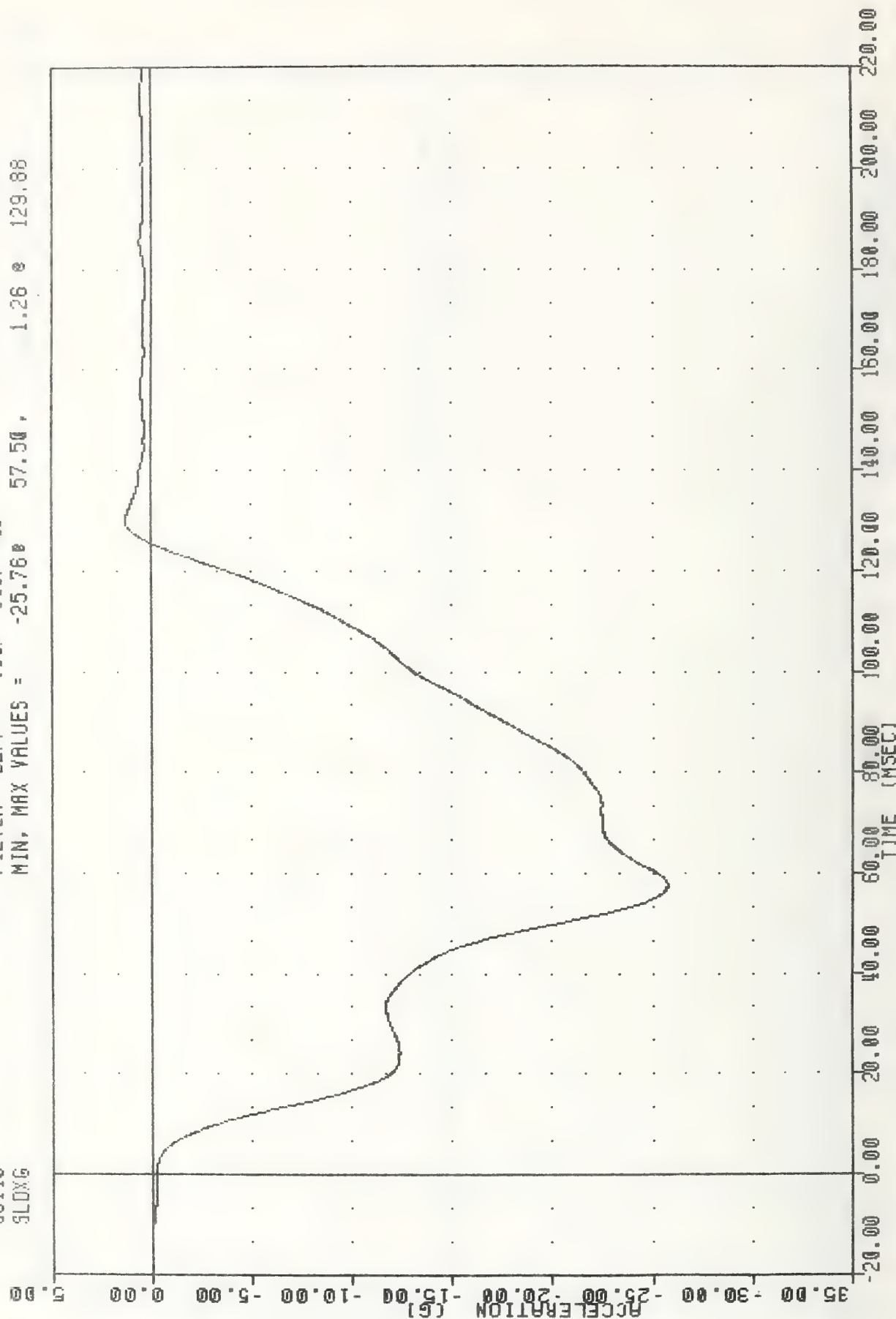
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
SLOXG

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -25.76 57.50 1.26 129.88



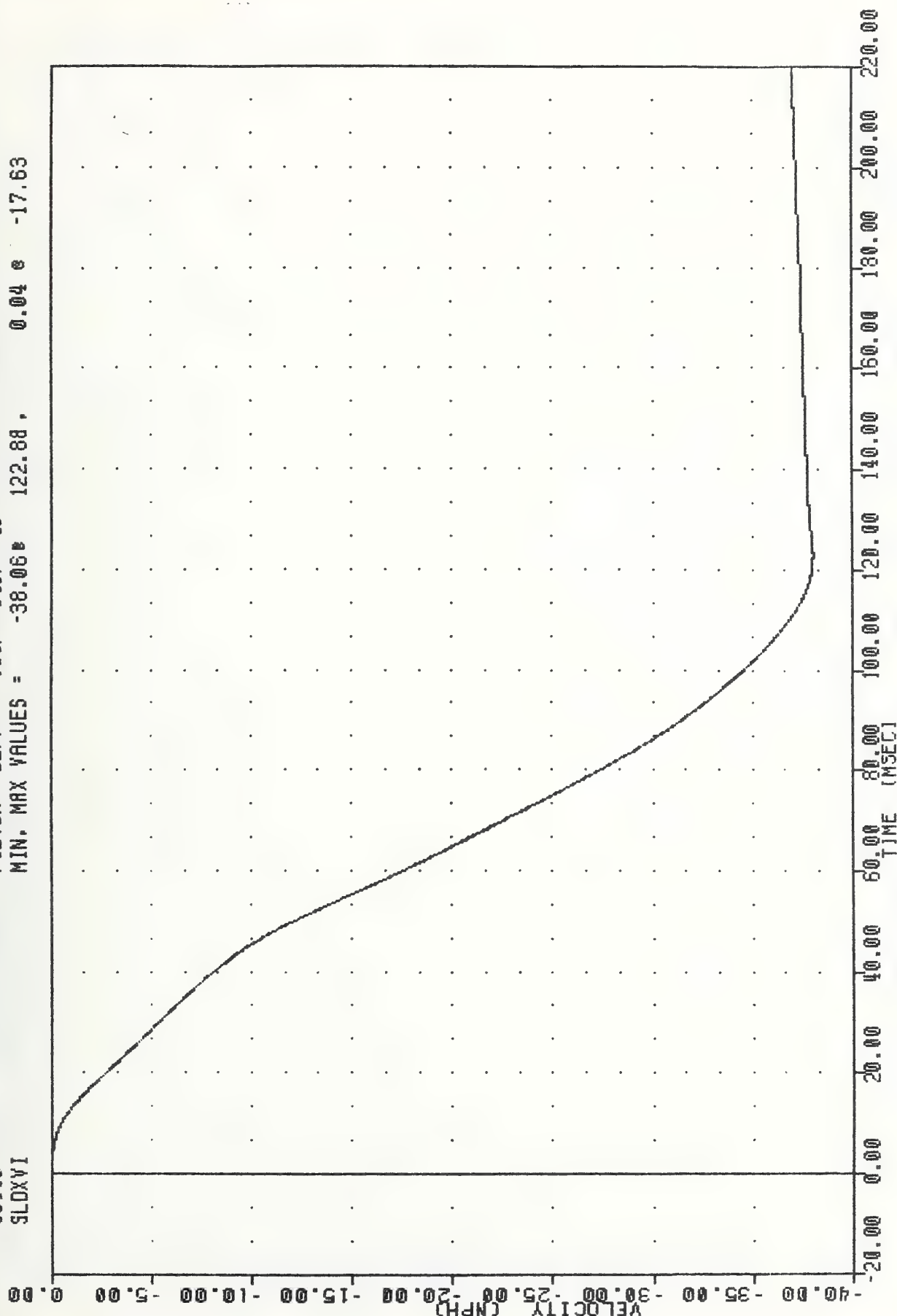
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
SLDXVI

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -38.06 122.88 0.04 e -17.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

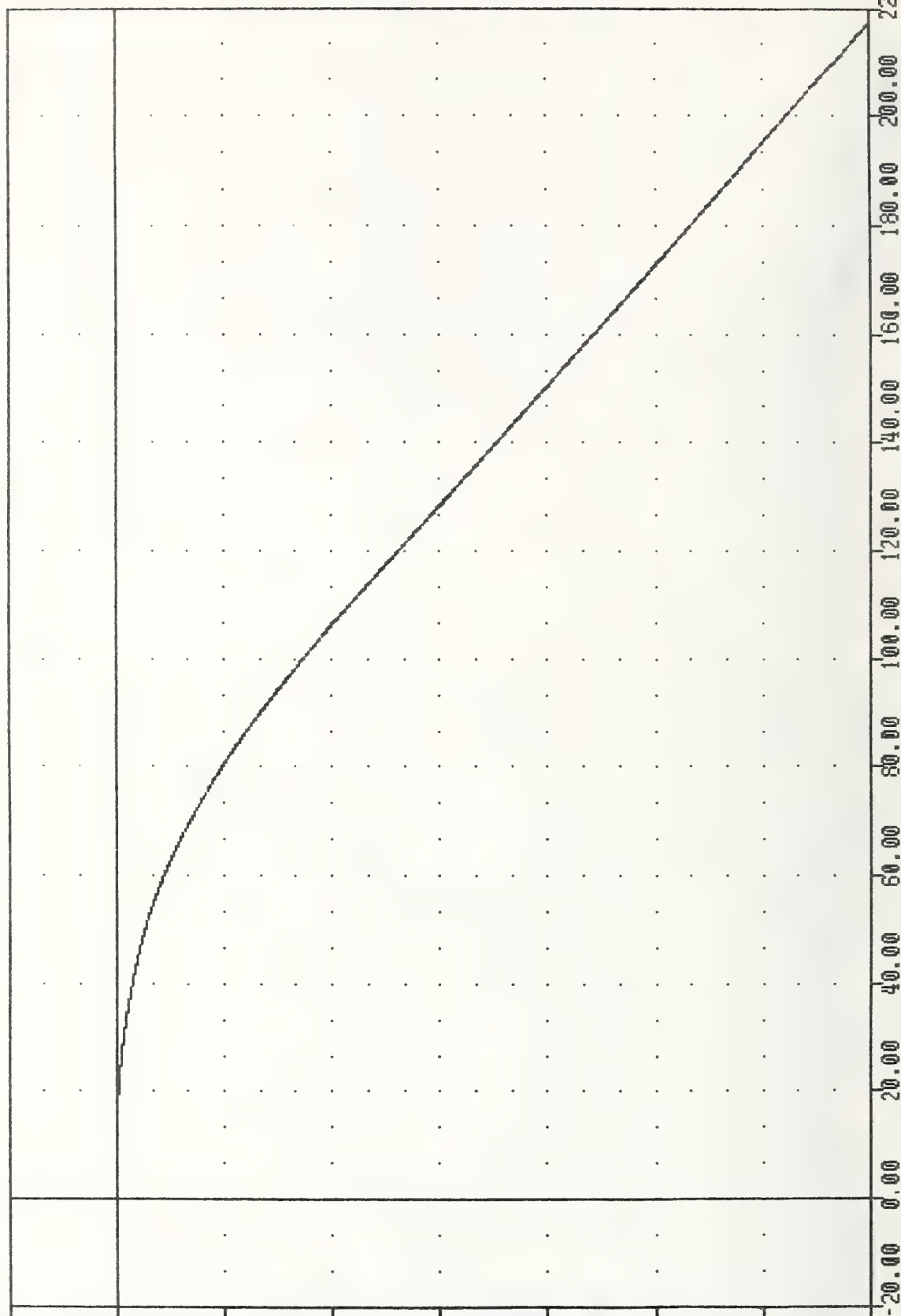
VRTC , R0384-4-35
BREED AIRBAG SLED PROGRAM
85140
SLOXD

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -71.18 220.00 , 0.03 -2.00

DISPLACEMENT (IN)



300

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

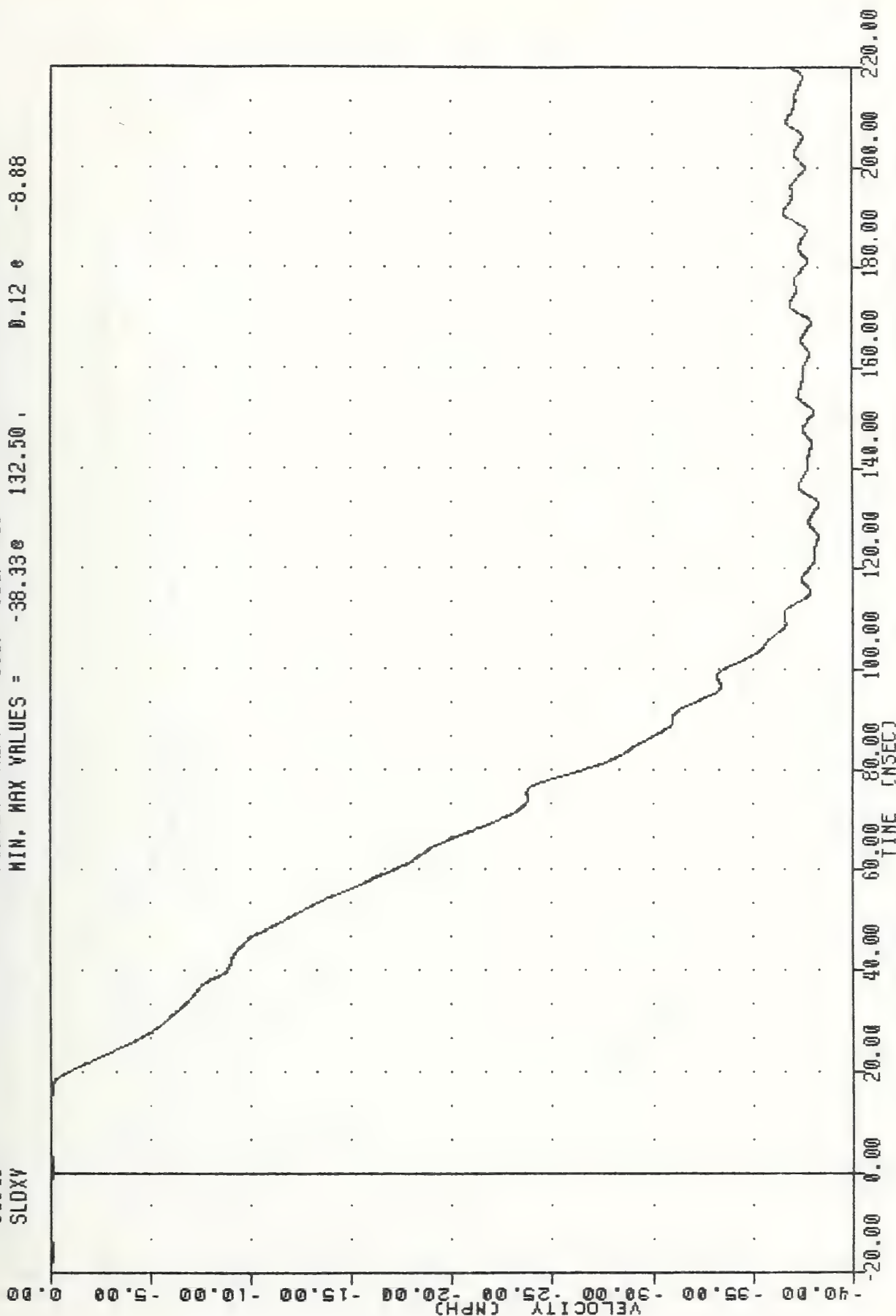
DELTA X USING SLOXVI

VATC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
SLOXY

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -38.33 132.50 , 0.12 -8.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRIC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
ABTP

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -2.88 42.88 , 37.14 31.00

70.00

60.00

50.00

40.00

30.00

20.00

10.00

0.00

-10.00

-20.00

-30.00

-40.00

-50.00

-60.00

-70.00

-80.00

-90.00

-100.00

-110.00

-120.00

-130.00

-140.00

-150.00

-160.00

-170.00

-180.00

-190.00

-200.00

-210.00

-220.00

-230.00

-240.00

-250.00

-260.00

-270.00

-280.00

-290.00

-300.00

-310.00

-320.00

-330.00

-340.00

-350.00

-360.00

-370.00

-380.00

-390.00

-400.00

-410.00

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-500.00

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-690.00

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-710.00

-720.00

-730.00

-740.00

-750.00

-760.00

-770.00

-780.00

-790.00

-800.00

-810.00

-820.00

-830.00

-840.00

-850.00

-860.00

-870.00

-880.00

-890.00

-900.00

-910.00

-920.00

-930.00

-940.00

-950.00

-960.00

-970.00

-980.00

-990.00

-1000.00

-1010.00

-1020.00

-1030.00

-1040.00

-1050.00

-1060.00

-1070.00

-1080.00

-1090.00

-1100.00

-1110.00

-1120.00

-1130.00

-1140.00

-1150.00

-1160.00

-1170.00

-1180.00

-1190.00

-1200.00

-1210.00

-1220.00

-1230.00

-1240.00

-1250.00

-1260.00

-1270.00

-1280.00

-1290.00

-1300.00

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-1500.00

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-1580.00

-1590.00

-1600.00

-1610.00

-1620.00

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-1880.00

-1890.00

-1900.00

-1910.00

-1920.00

-1930.00

-1940.00

-1950.00

-1960.00

-1970.00

-1980.00

-1990.00

-2000.00

-2010.00

-2020.00

-2030.00

-2040.00

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-2070.00

-2080.00

-2090.00

-2100.00

-2110.00

-2120.00

-2130.00

-2140.00

-2150.00

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-2170.00

-2180.00

-2190.00

-2200.00

-2210.00

-2220.00

-2230.00

-2240.00

-2250.00

-2260.00

-2270.00

-2280.00

-2290.00

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-2980.00

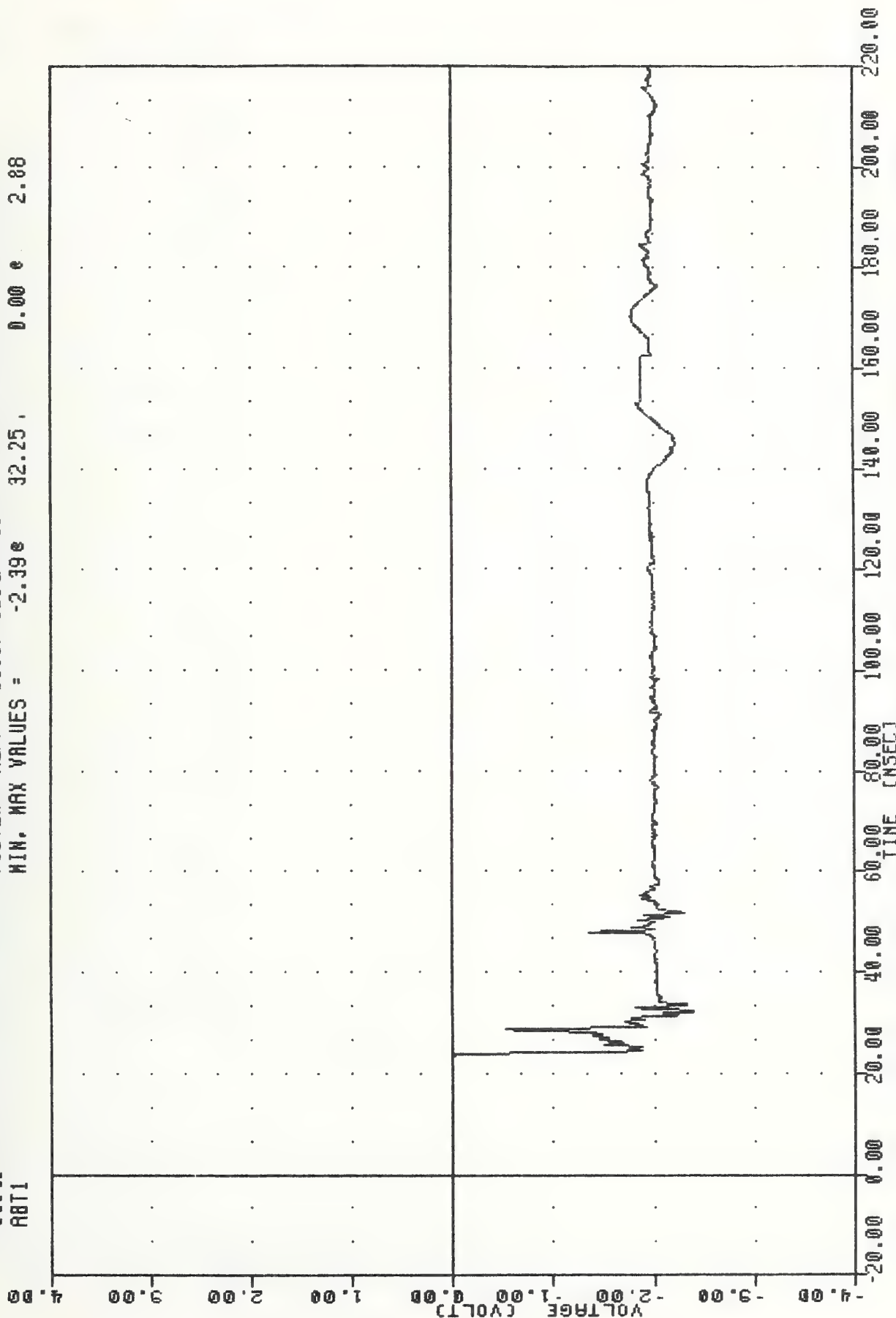
-2990.00

VATC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
ABT1

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.39e 32.25 , 0.00 e 2.88



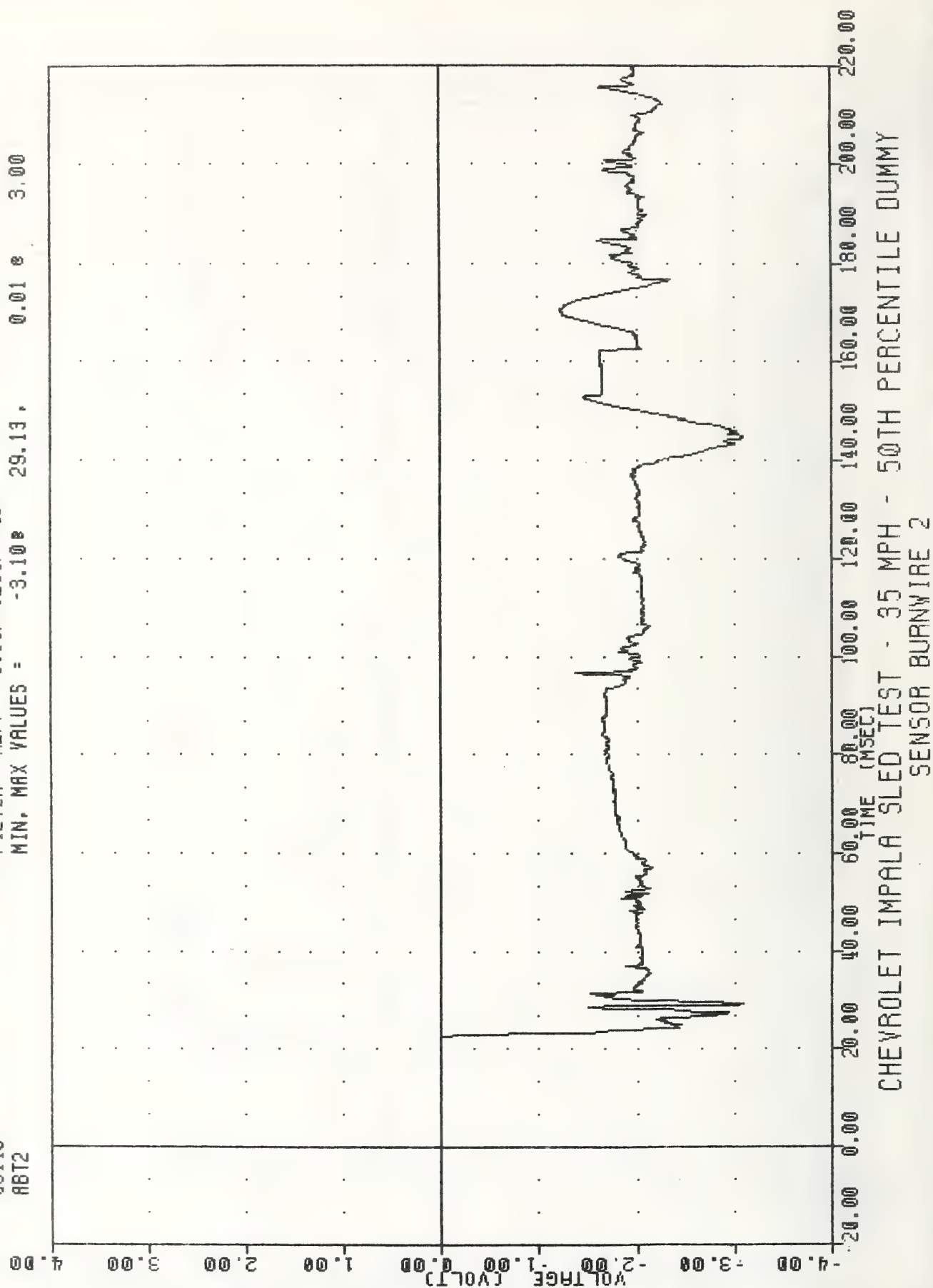
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 1

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
ABT2

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.10e 29.13, 0.01e 3.00



VRTC
BREED AIRBAG SLED PROGRAM
85140
ABT3

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.03e 3.00, 2.31 e 25.38

4.00

3.00

2.00

1.00

0.00

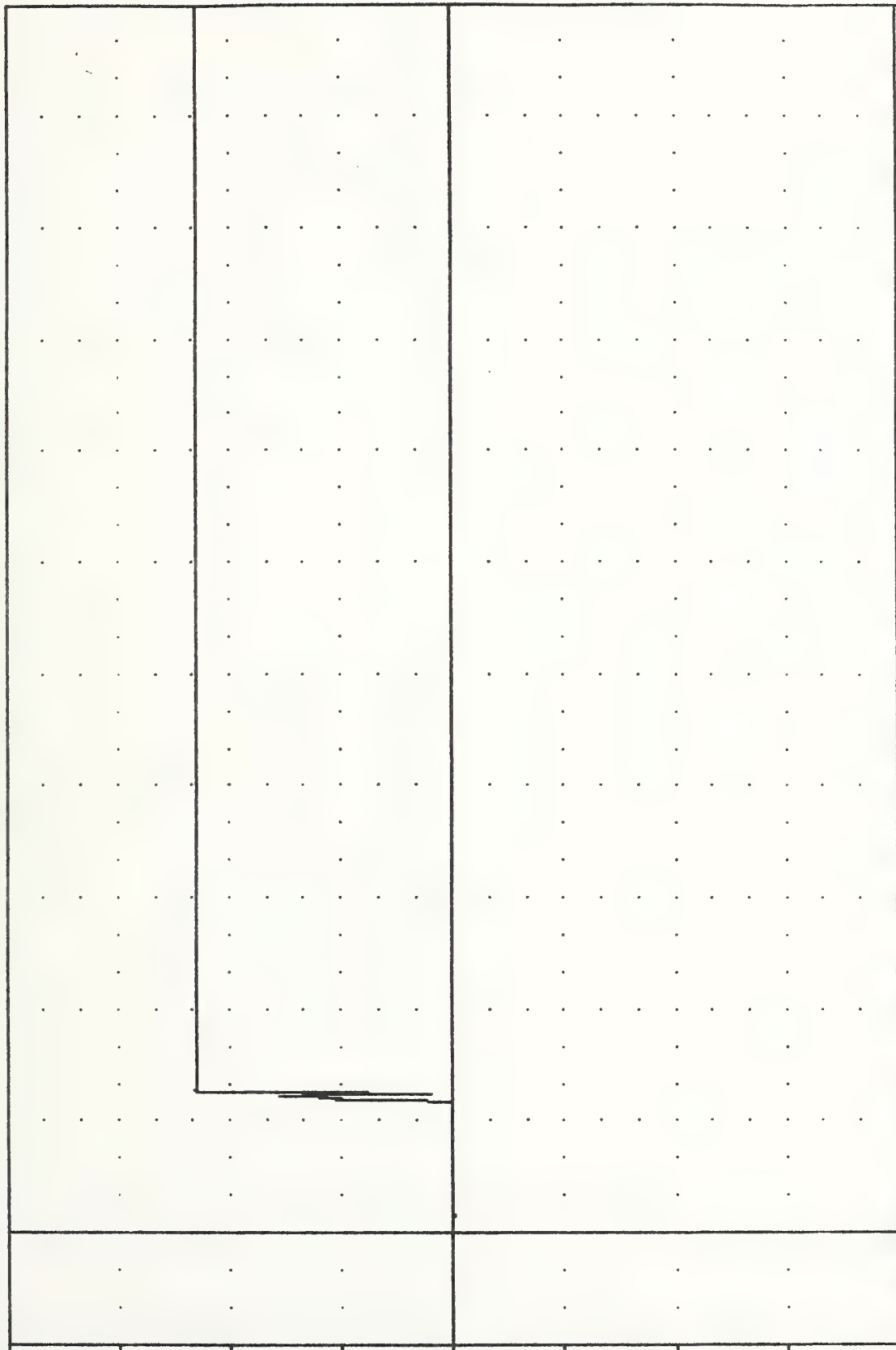
-1.00

-2.00

-3.00

-4.00

VOLTAGE (VOLT)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

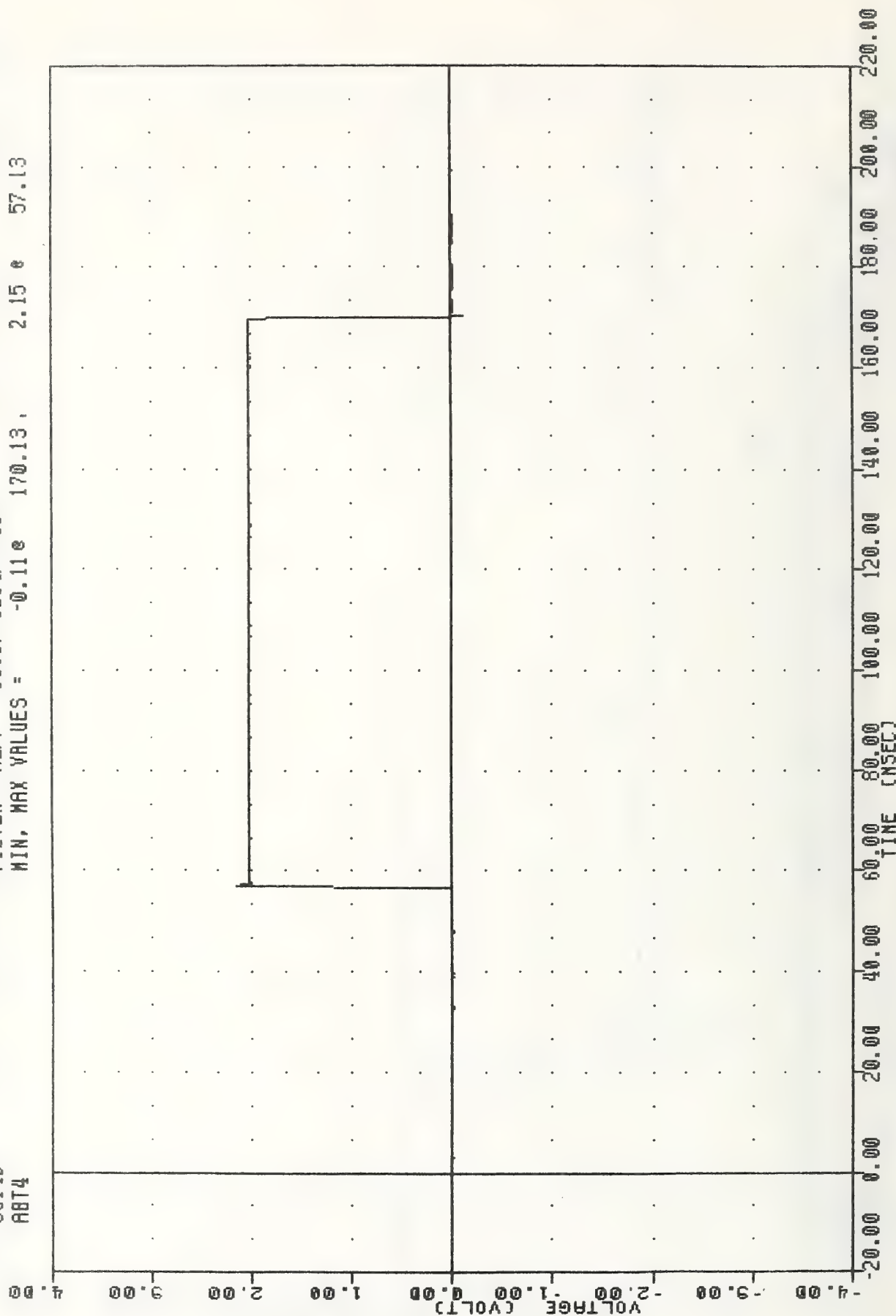
BREED B-PILLAR SENSOR

VATC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 ABT4

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.11e 170.13, 2.15 e 57.13



306

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 KNEE CONTACT

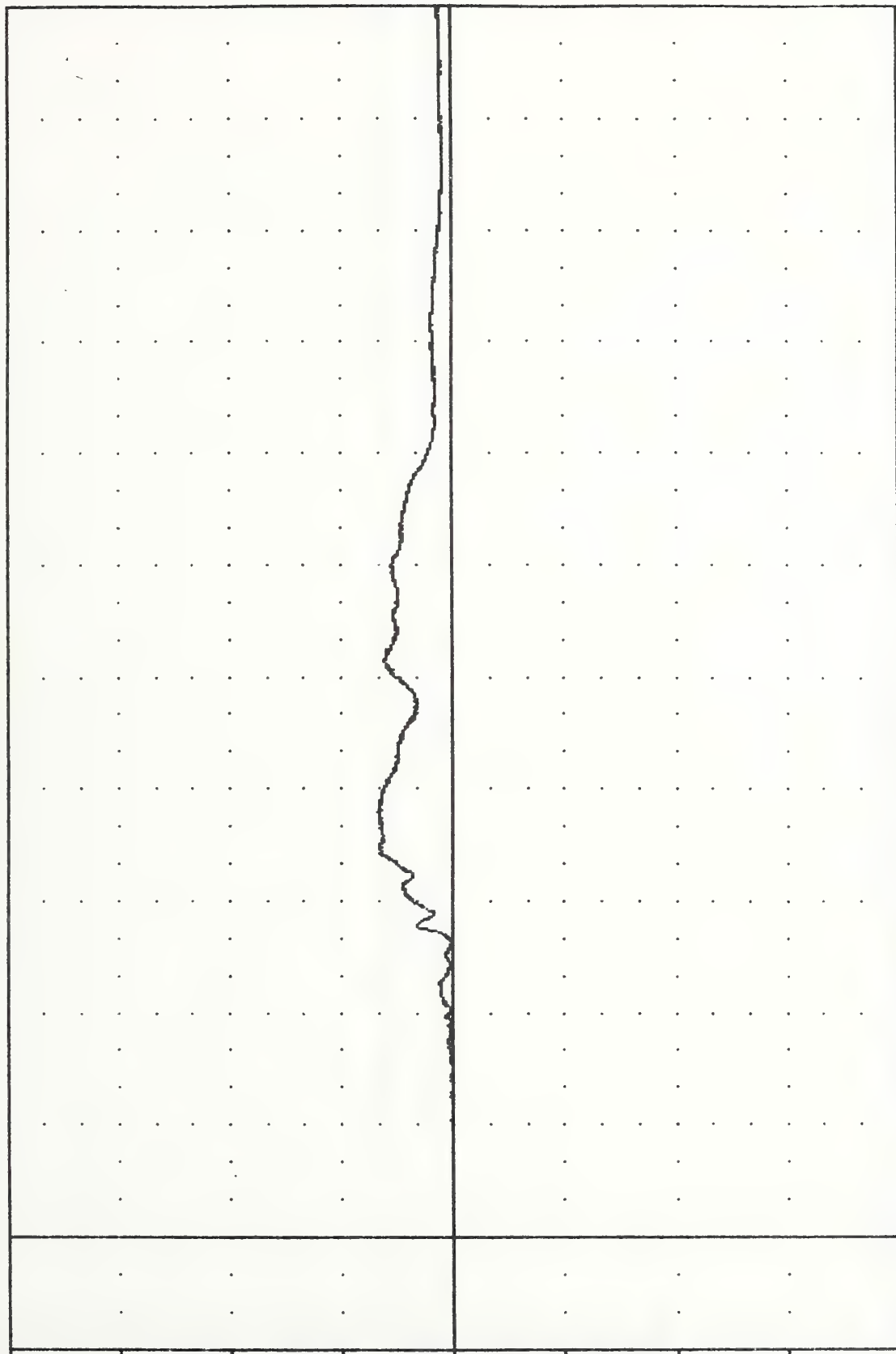
VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
HEADG1

PLOT DATE 21-MAY-85 14:03:25

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.05e -15.75, 33.70 e 75.88

ACCELERATION [G]



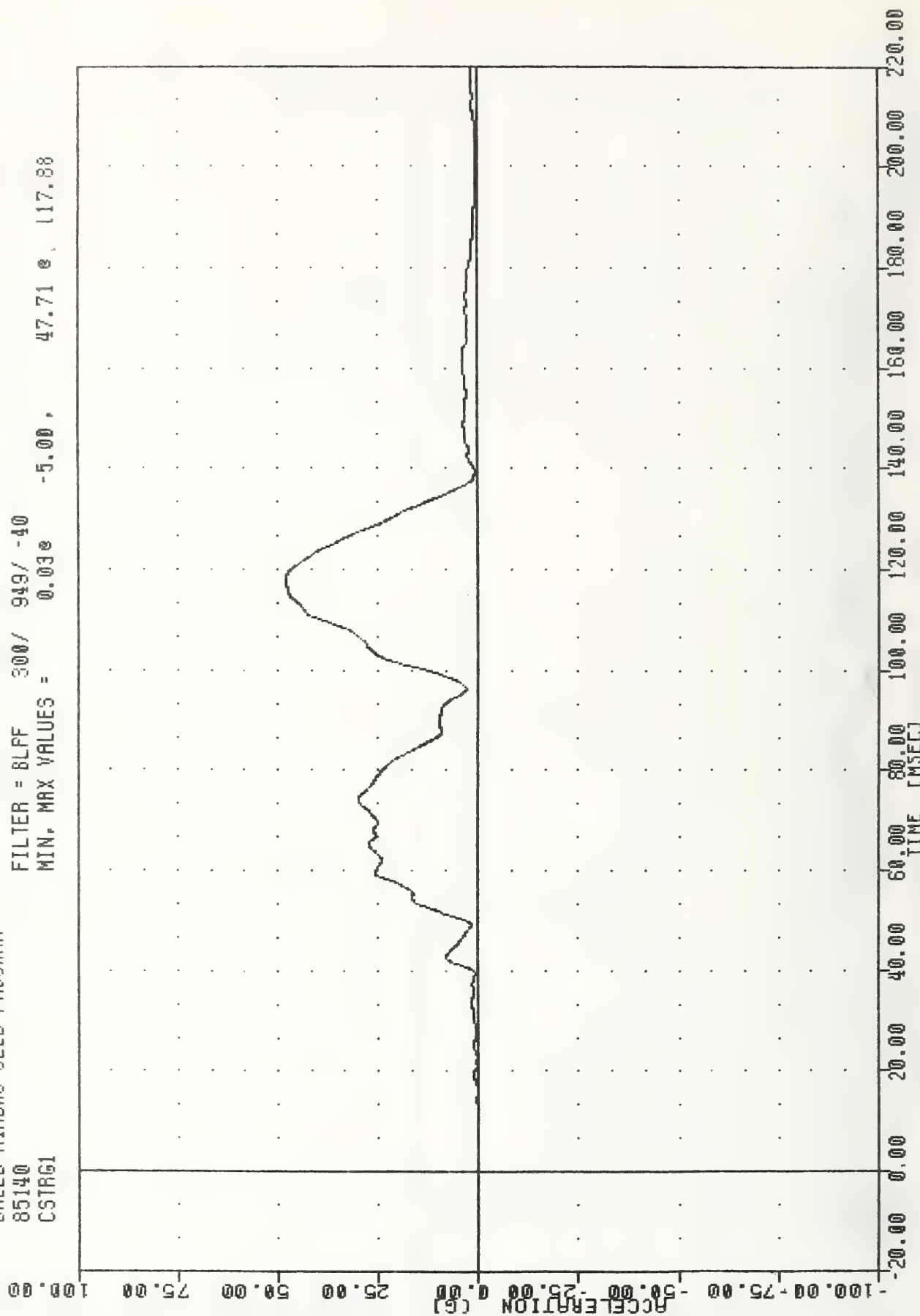
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRIC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
CSTRG1

PLOT DATE 21-MAY-85 14:03:25

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.03e -5.00, 47.71 e, 117.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

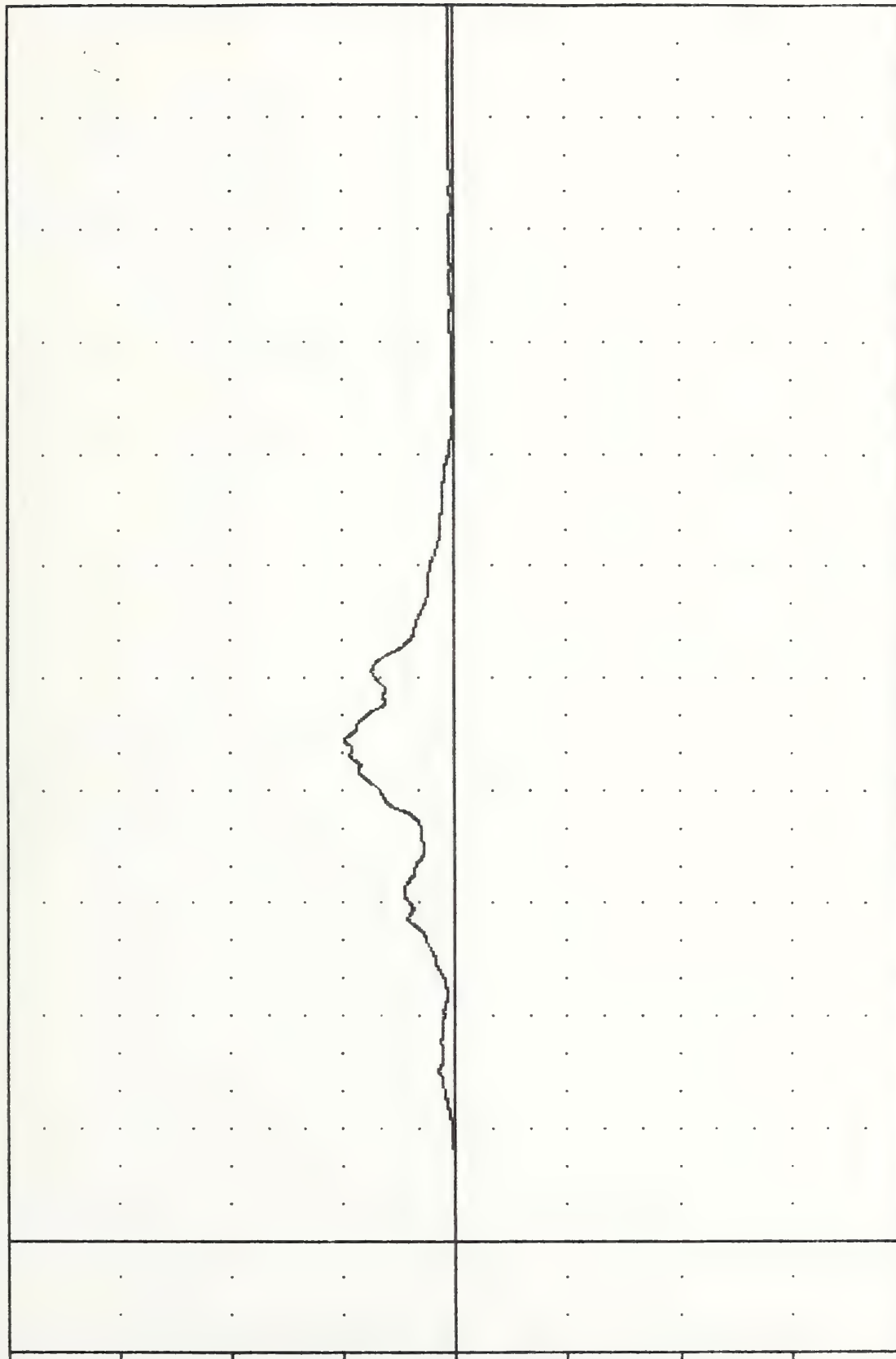
VATC RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
PEVR61

PLOT DATE 21-MAY-85 14:03:25

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.08e -10.13, 49.16 e 88.88

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

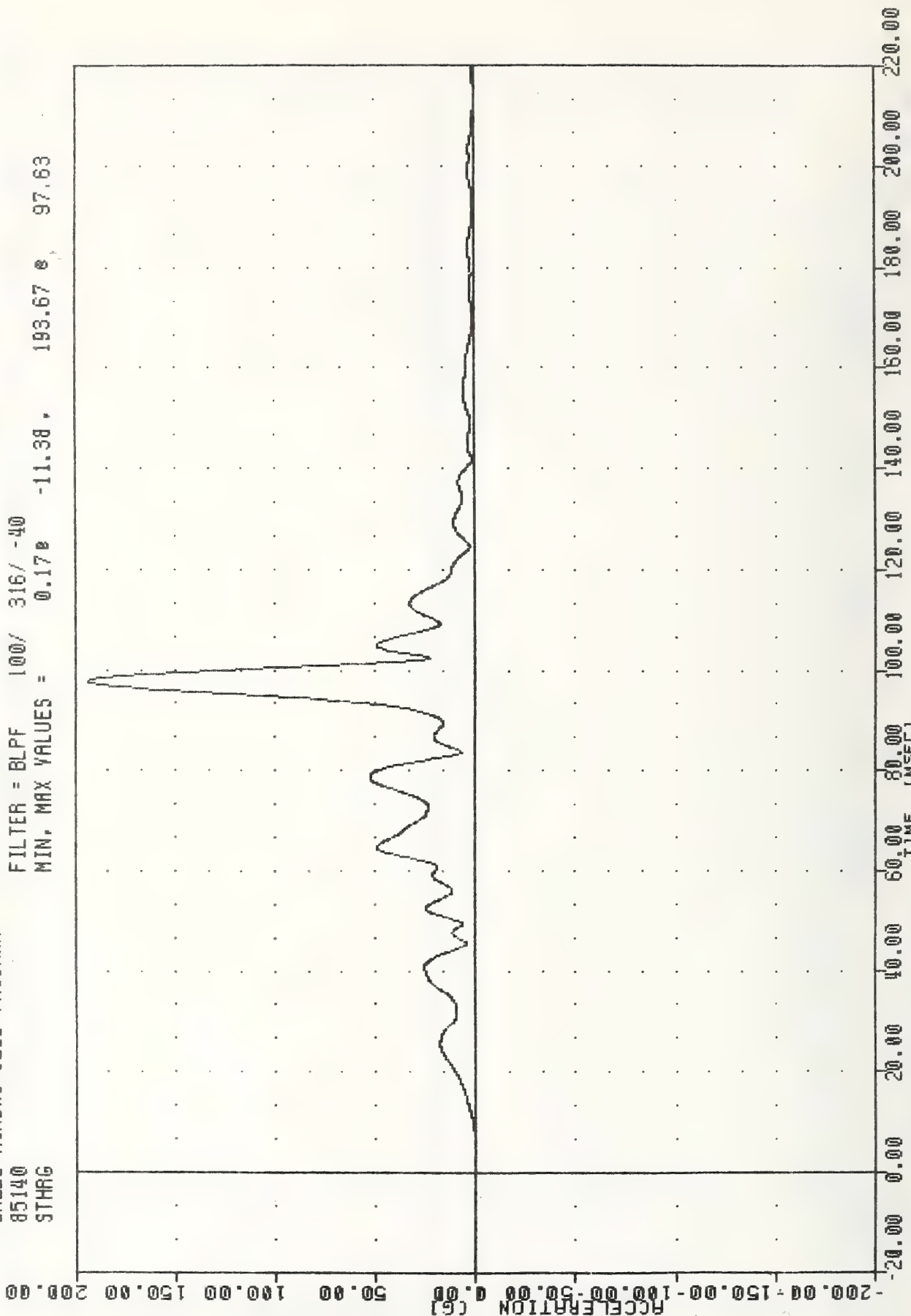
DRIVER PELVIS RESULTANT

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
STHRG

PLOT DATE 21-MAY-85 14:03:25

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = 0.17e -11.38, 193.67 e, 97.63

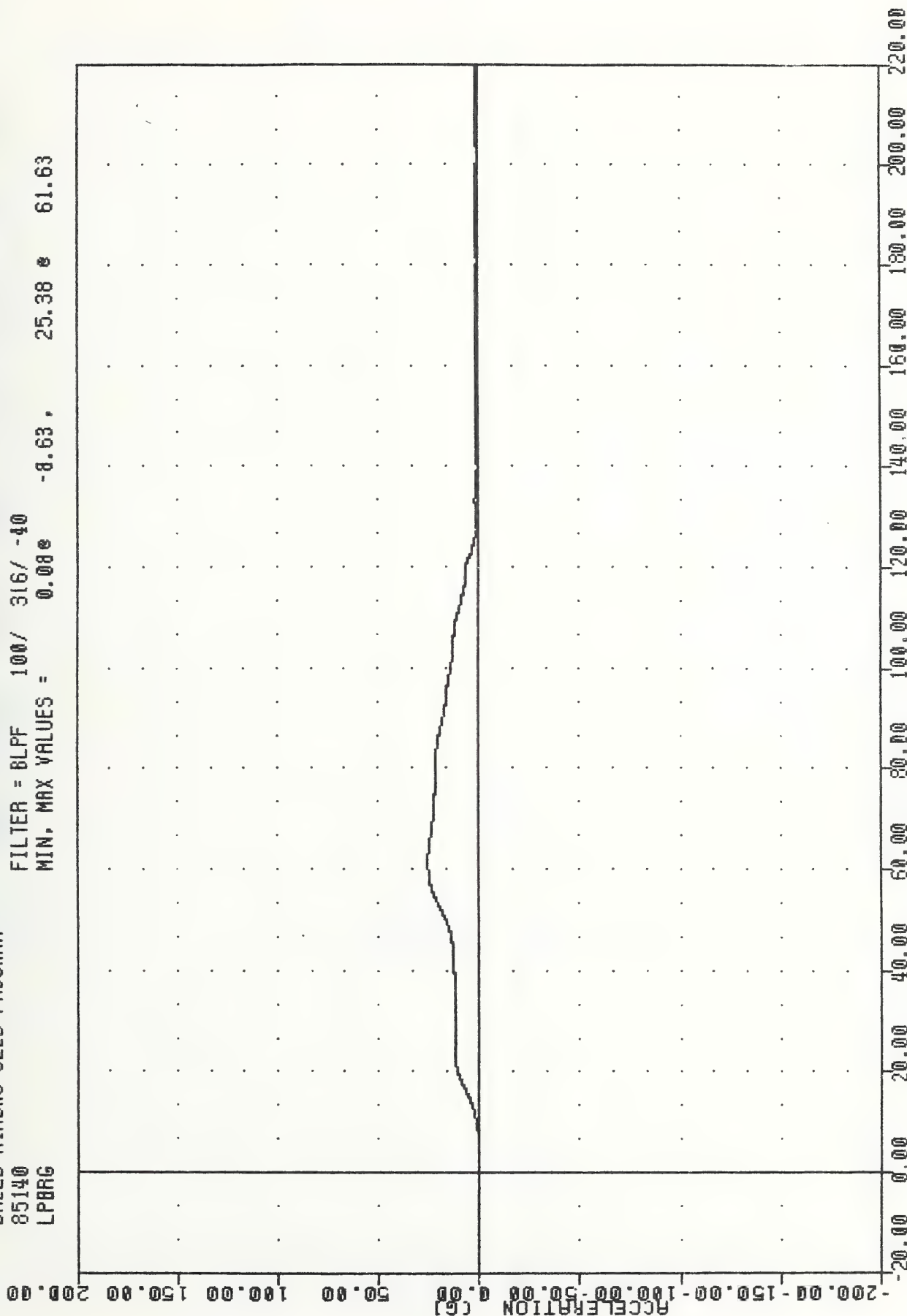


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
LPBAG

PLOT DATE 21-MAY-85 14:03:25

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = 0.08e -8.63, 25.38 e 61.63



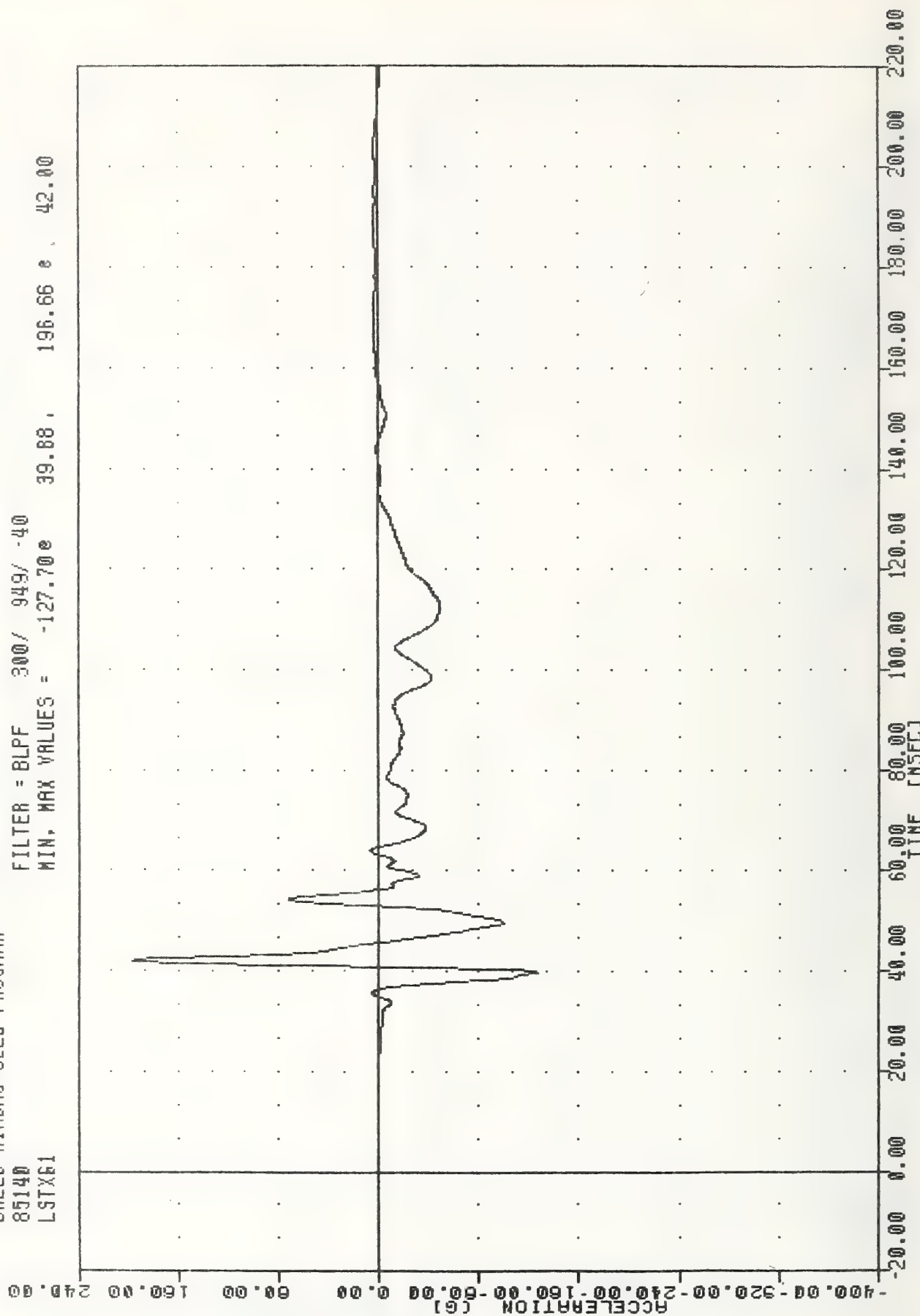
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VATC , RD384-4-35
BRECO AIRBAG SLED PROGRAM
85140
LSTX61

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -127.70e 39.88, 196.66 e, 42.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

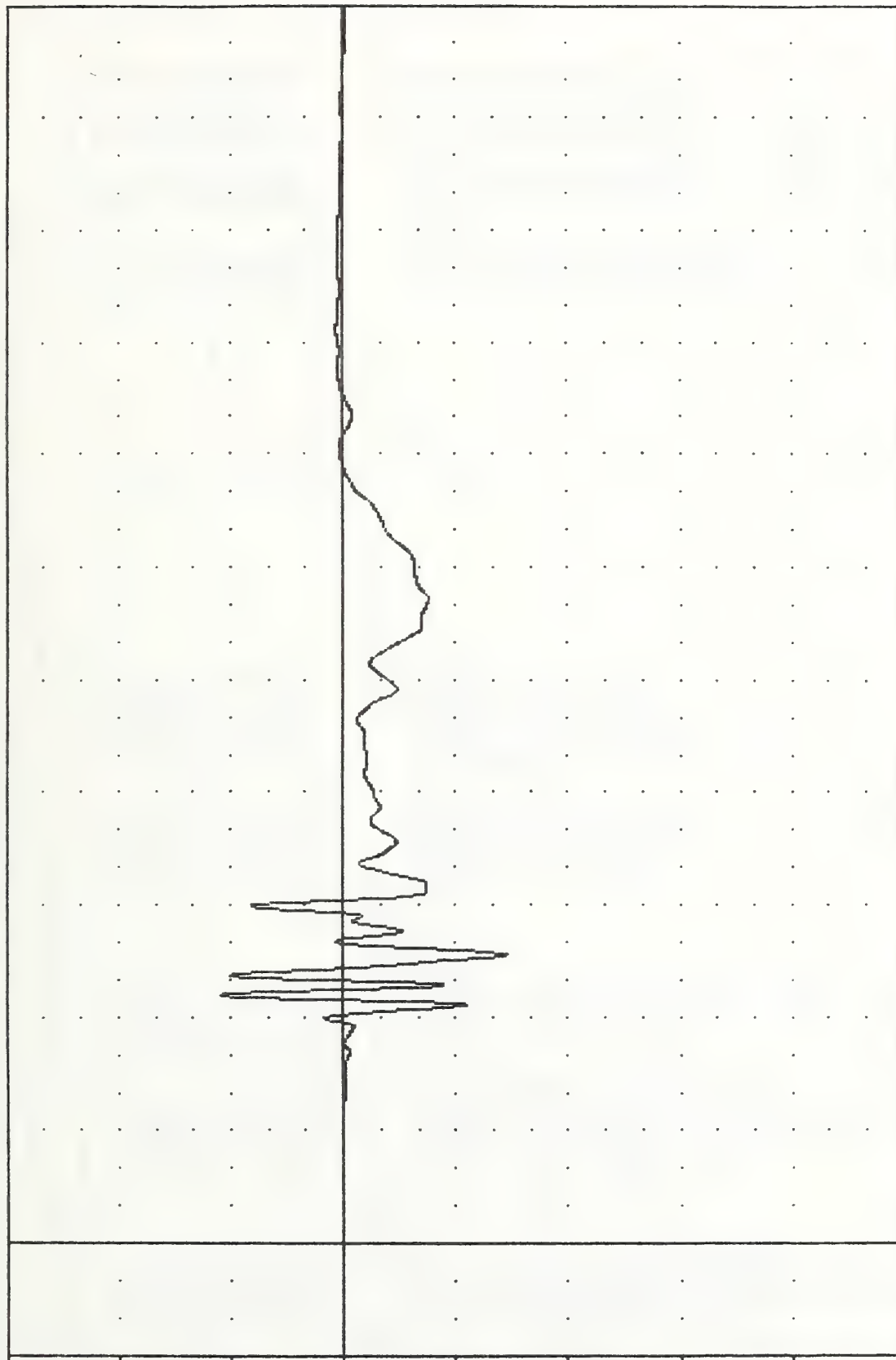
VRTC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 USTXG1

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -116.18e 51.13, 87.48 e 43.88

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER UPPER STERNUM ACCELERATION X AXIS

TRC443P. RAD; 1
VRTC
85141
RD384-4-36 BREED AIRBAG SLED PROGRAM
40.00 mph
21-MAY-85 15:41

1	EVENT	Min value	Max value	Data Units	Filter
2	SLDXV	0.051 @	0.250	volt	ALPF 1650/ 5214/ -40
3	SLDXG	-43.364 @	126.250	mph	ALPF 100/ 316/ -40
4	HEDXG1	-28.349 @	56.250	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-38.754 @	111.875	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-2.340 @	63.625	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-5.921 @	114.625	g	ALPF 1650/ 5214/ -40
8	CSTYG1	-64.438 @	108.375	g	ALPF 300/ 949/ -40
9	CSTZG1	-4.304 @	105.500	g	ALPF 300/ 949/ -40
10	USTXG1	-6.882 @	107.875	g	BLPF 300/ 949/ -40
11	LSTXG1	-90.271 @	55.000	g	BLPF 300/ 949/ -40
12	PEVXG1	-72.043 @	50.500	g	BLPF 300/ 949/ -40
13	PEVYG1	-51.115 @	82.875	g	BLPF 300/ 949/ -40
14	PEVZG1	-15.799 @	79.500	g	BLPF 300/ 949/ -40
15	LFMF1	-15.206 @	106.750	g	BLPF 300/ 949/ -40
16	RFMF1	-1707.912 @	96.875	lb	BLPF 1000/ 3162/ -40
17	STHPQ	-1757.362 @	84.125	lb	BLPF 1000/ 3162/ -40
18	STHLG	-207.325 @	93.500	g	BLPF 100/ 316/ -40
19	STHIG	-30.265 @	96.750	g	BLPF 100/ 316/ -40
20	LPBXG	-38.666 @	99.375	g	BLPF 100/ 316/ -40
21	LPBYG	-28.128 @	59.625	g	BLPF 100/ 316/ -40
22	LPBZG	-2.560 @	87.125	g	BLPF 100/ 316/ -40
23	ABTP	-1.227 @	129.750	g	BLPF 100/ 316/ -40
24	ABT1	-2.992 @	44.125	psig	BLPF 100/ 316/ -40
25	ABT2	-3.096 @	25.625	volt	ALPF 1650/ 5214/ -40
26	ABT3	-3.256 @	25.500	volt	ALPF 1650/ 5214/ -40
27	ABT4	-0.032 @	3.250	volt	ALPF 1650/ 5214/ -40
28		-0.117 @	171.250	volt	ALPF 1650/ 5214/ -40

TRC443P. RAD; 1
VRTC
85141
RD384-4-36 BREED AIRBAG SLED PROGRAM
40.00 mph
21-MAY-85 15:41

1	EVENT	Min value	Max value	Data Units	Filter
2	HEDXD1	-55.752 @	202.375	mph	BLPF 300/ 949/ -40
3	CSTXV1	-76.924 @	220.000	in	BLPF 300/ 949/ -40
4	CSTXD1	-53.049 @	134.125	mph	BLPF 300/ 949/ -40
5	PEVXV1	-77.487 @	220.000	in	BLPF 300/ 949/ -40
6	PEVXD1	-44.977 @	139.125	mph	BLPF 300/ 949/ -40
7	SLDXV1	-71.770 @	220.000	in	BLPF 300/ 949/ -40
8	SLDXD1	-43.033 @	127.250	mph	BLPF 300/ 949/ -40
9	STHPV	-80.052 @	220.000	in	BLPF 300/ 949/ -40
10	STHPD	-38.593 @	128.125	mph	BLPF 300/ 949/ -40
11	LPBXV	-65.567 @	220.000	in	BLPF 300/ 949/ -40
12	LPBXD	-42.156 @	127.125	mph	BLPF 300/ 949/ -40
		-77.270 @	220.000	in	BLPF 300/ 949/ -40

TRC443P. RAD; 1
VRTC
85141
RD384-4-36 BREED AIRBAG SLED PROGRAM
40.00 mph
21-MAY-85 15:41

1	EVENT	Min value	Max value	Data Units	Filter
2	CSTRG1	0.042 @	7.750	g	ALPF 1650/ 5214/ -40
3	PEVRG1	0.017 @	-11.000	g	BLPF 300/ 949/ -40
4	STHRG	0.058 @	-9.250	g	BLPF 100/ 316/ -40
5	LPBRG	0.091 @	-8.125	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC443RP.RAD;1
VRTC RD384-4-36 BREED AIRBAG SLED PROGRAM
85141 40.00 mph

* * * HIC computation for HEDRG1 21-MAY-85 15:44
Using time range = 0.000 to 220.000 msec Peak accel = 48.69 @ 101.250
HIC = 408.84 Interval from 63.250 [667] to 124.625 [1158]
HIC = 156.76 Interval from 97.375 [940] to 112.375 [1060]

R SYSP:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC443RP

File TRC443RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-36 BREED AIRBAG SLED PROGRAM 40.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC443RP.RAD;1 VRTC RD384-4-36
BREED AIRBAG SLED PROGRAM 40.0 mph 85141 21-MAY-85 15:46:08
Deltax: 0.125

3 MS CLIP PEAK: 60.15631

Please run LSTRAD on this channel for the full time
and save it to the project manager to double-check peak.

Enter channel name -> EXIT

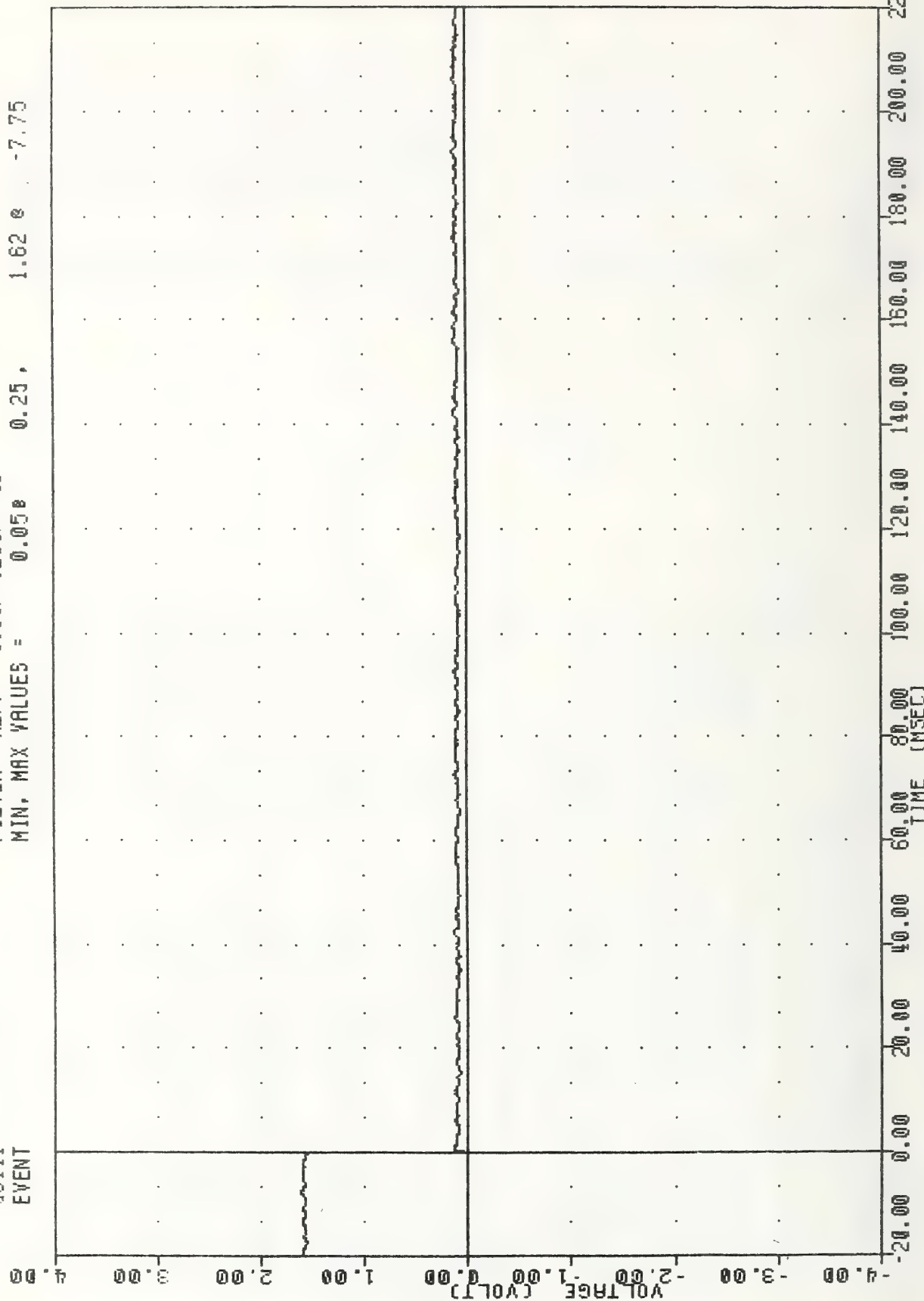
Enter input filespec -> EXIT
\$

VRTC , R0384-4-36
BREED AIRBAG SLED PROGRAM
85141
EVENT

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.058 0.25 1.62 8 -7.75



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
EVENT

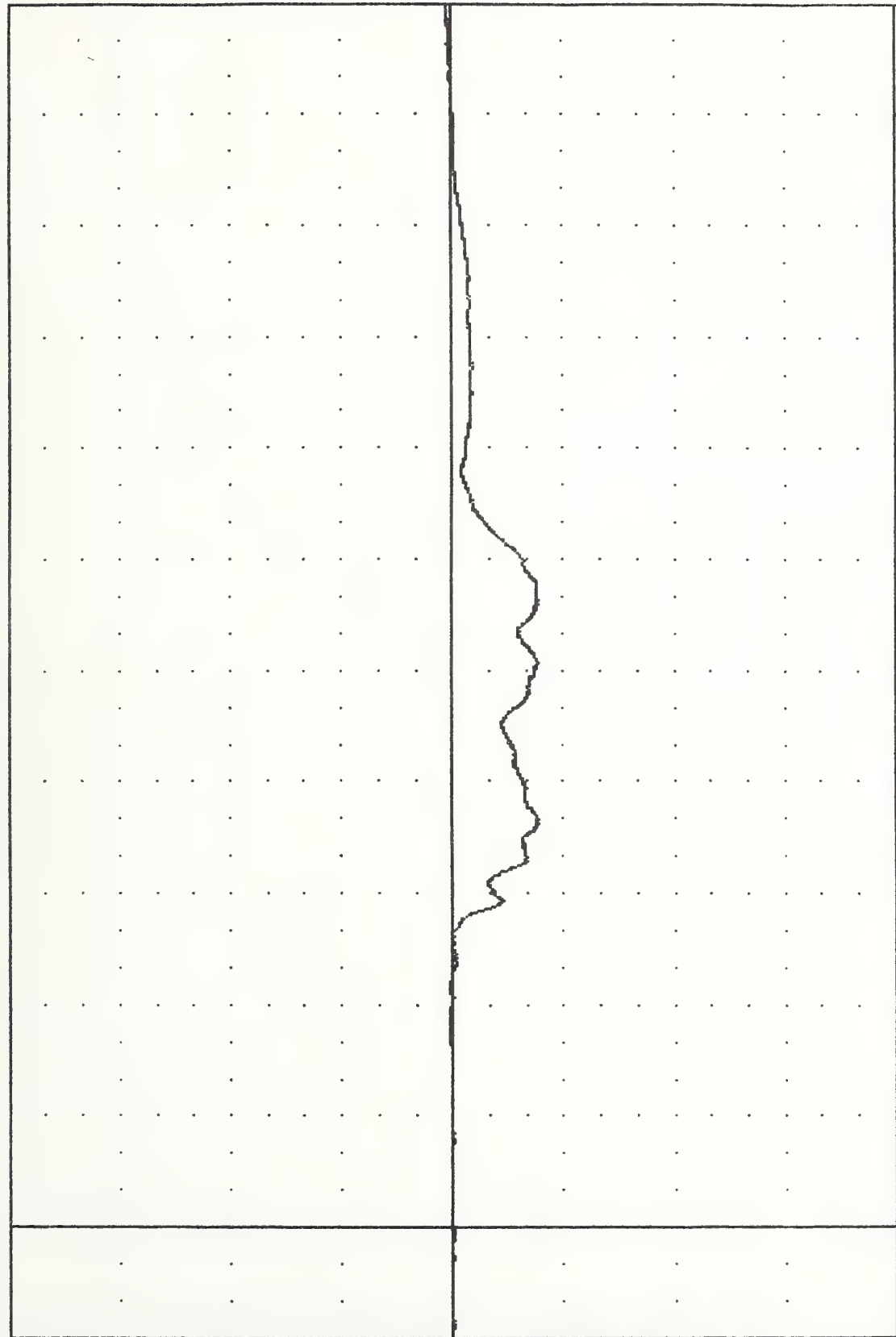
VRTC , RD384-4-36
BRAED AIRBAG SLED PROGRAM
85141
HEDXG1

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -38.75e 111.88, 2.91 e 219.88

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

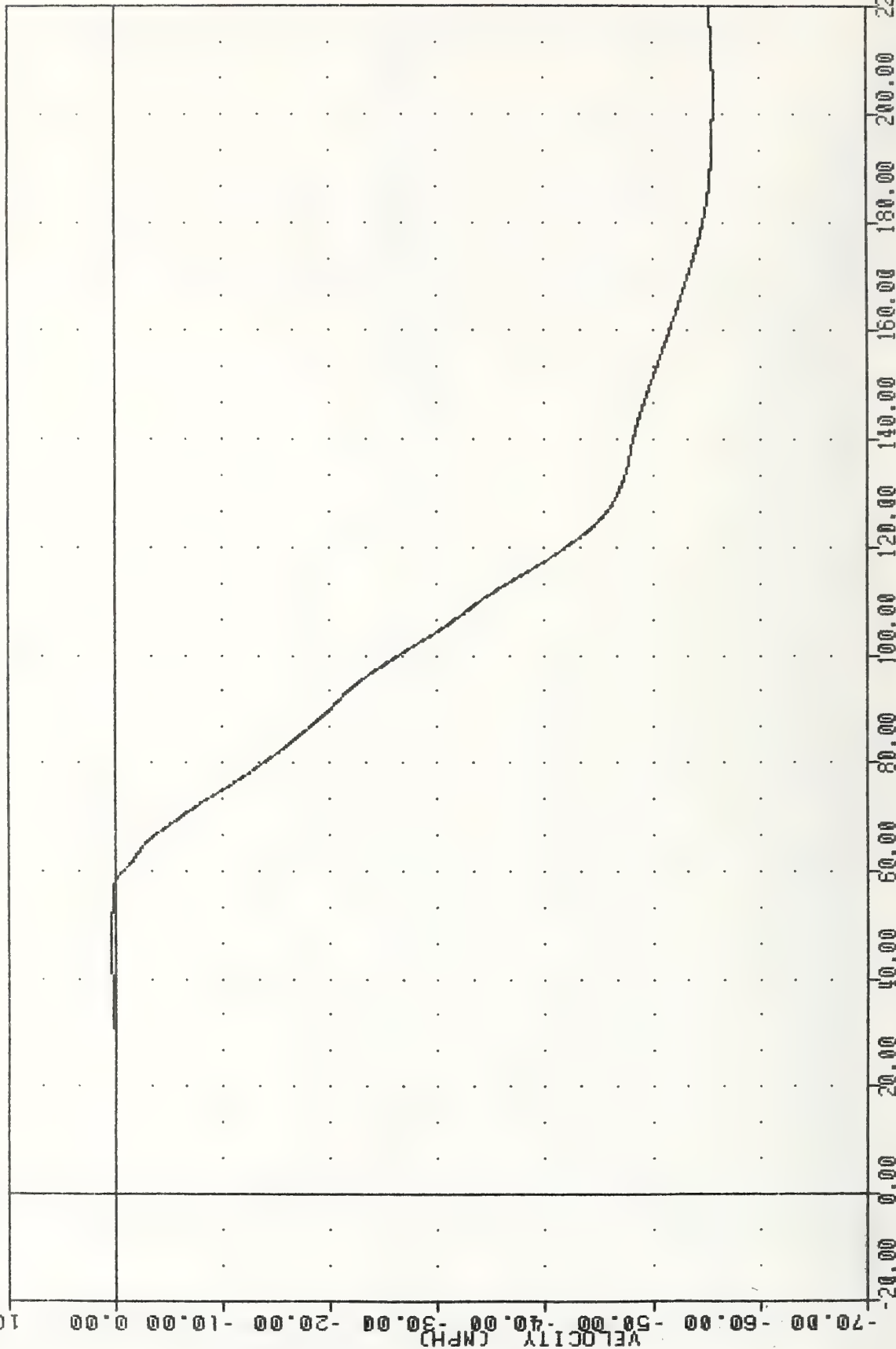
VRTC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 HEDXV1

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -55.75 202.38 , 0.38 46.88

10.00



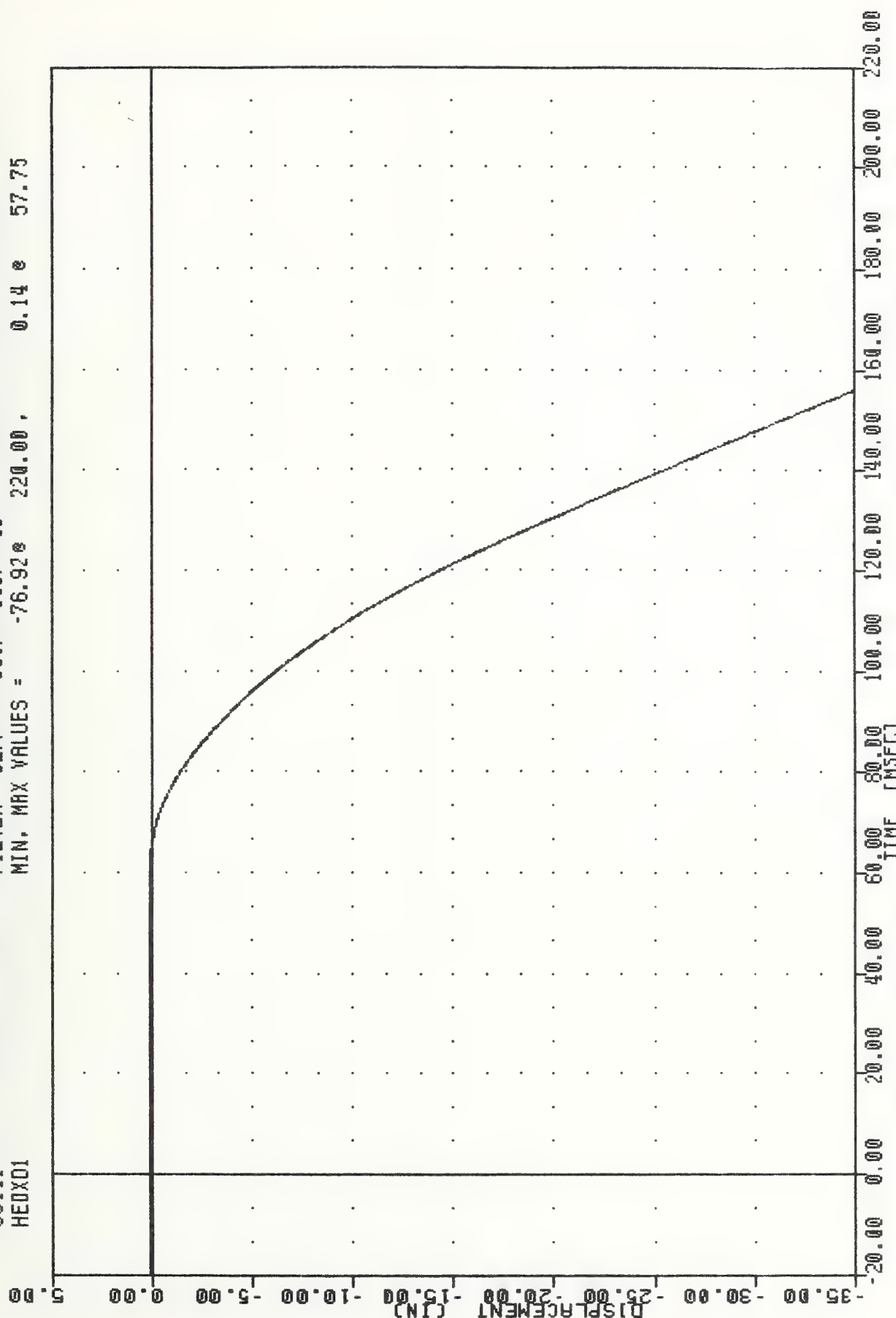
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING HEDXG1

VRTC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 HEDXD1

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -76.928 220.00, 0.14 e 57.75



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING HEDXV1

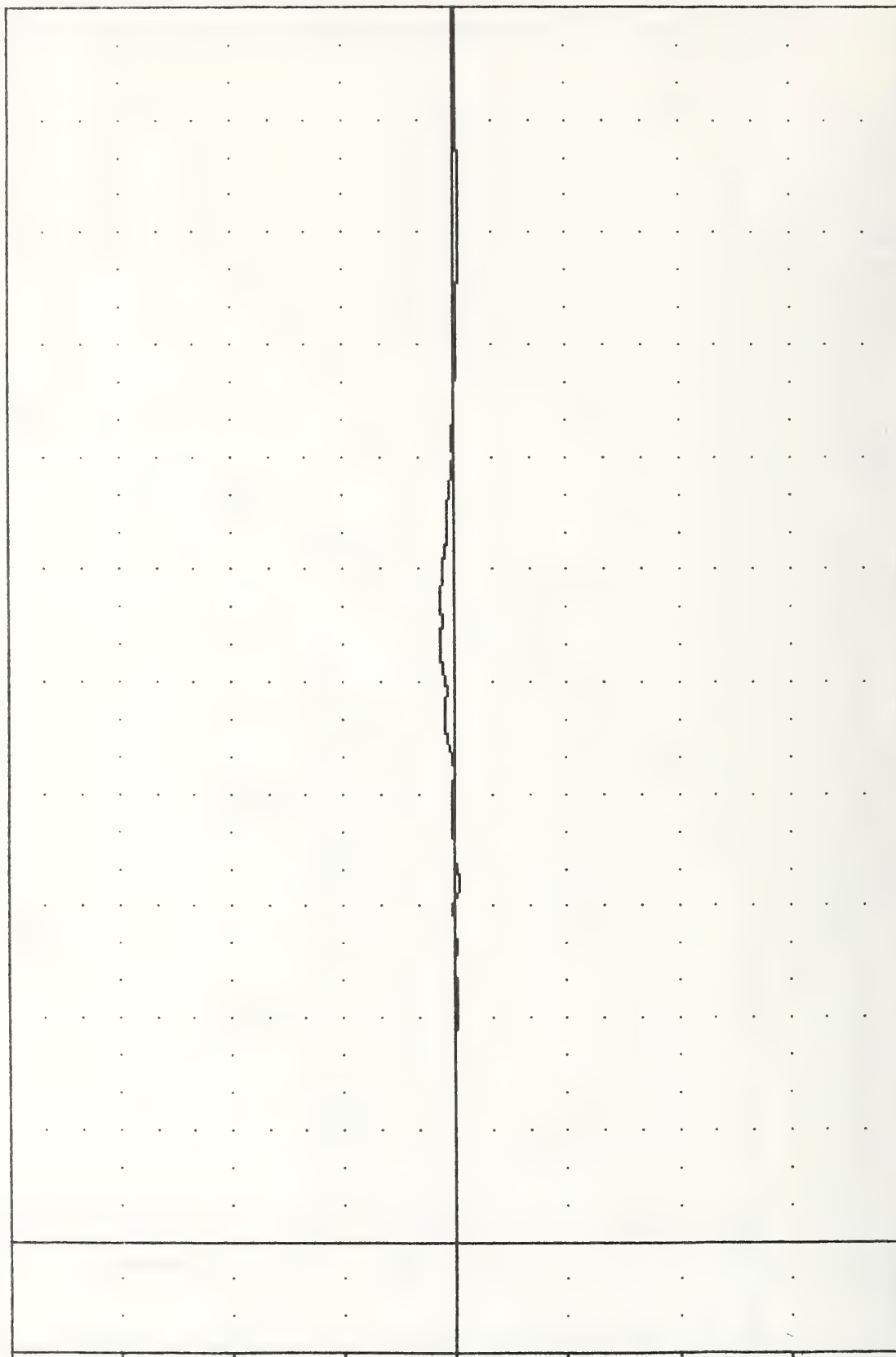
VRTC RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 HEDY61

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.34e 63.63 , 6.75 e 105.63

ACCELERATION (G)



TIME (NSEC)

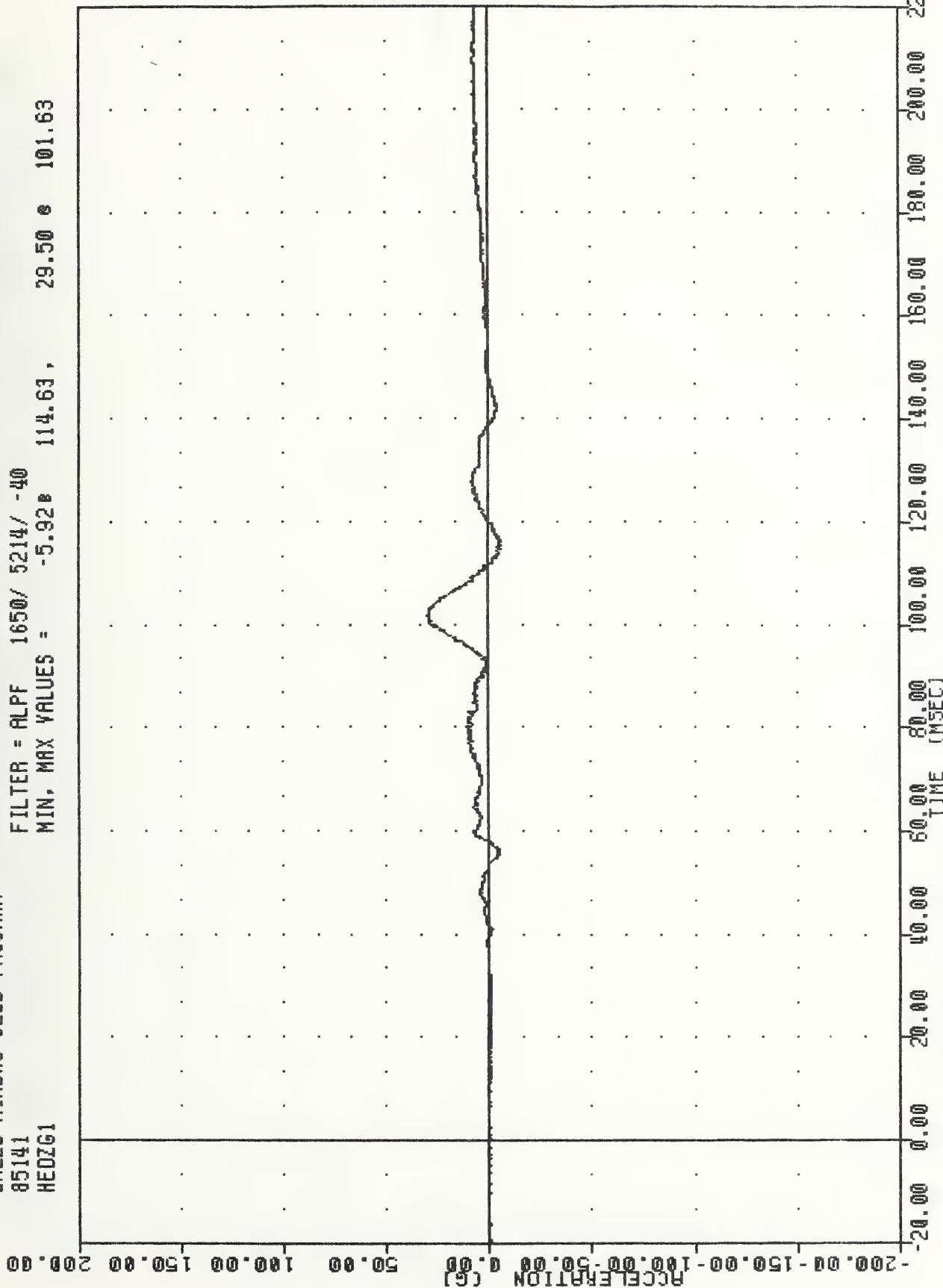
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85141
HEDZG1

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -5.92 114.63 29.50 101.63

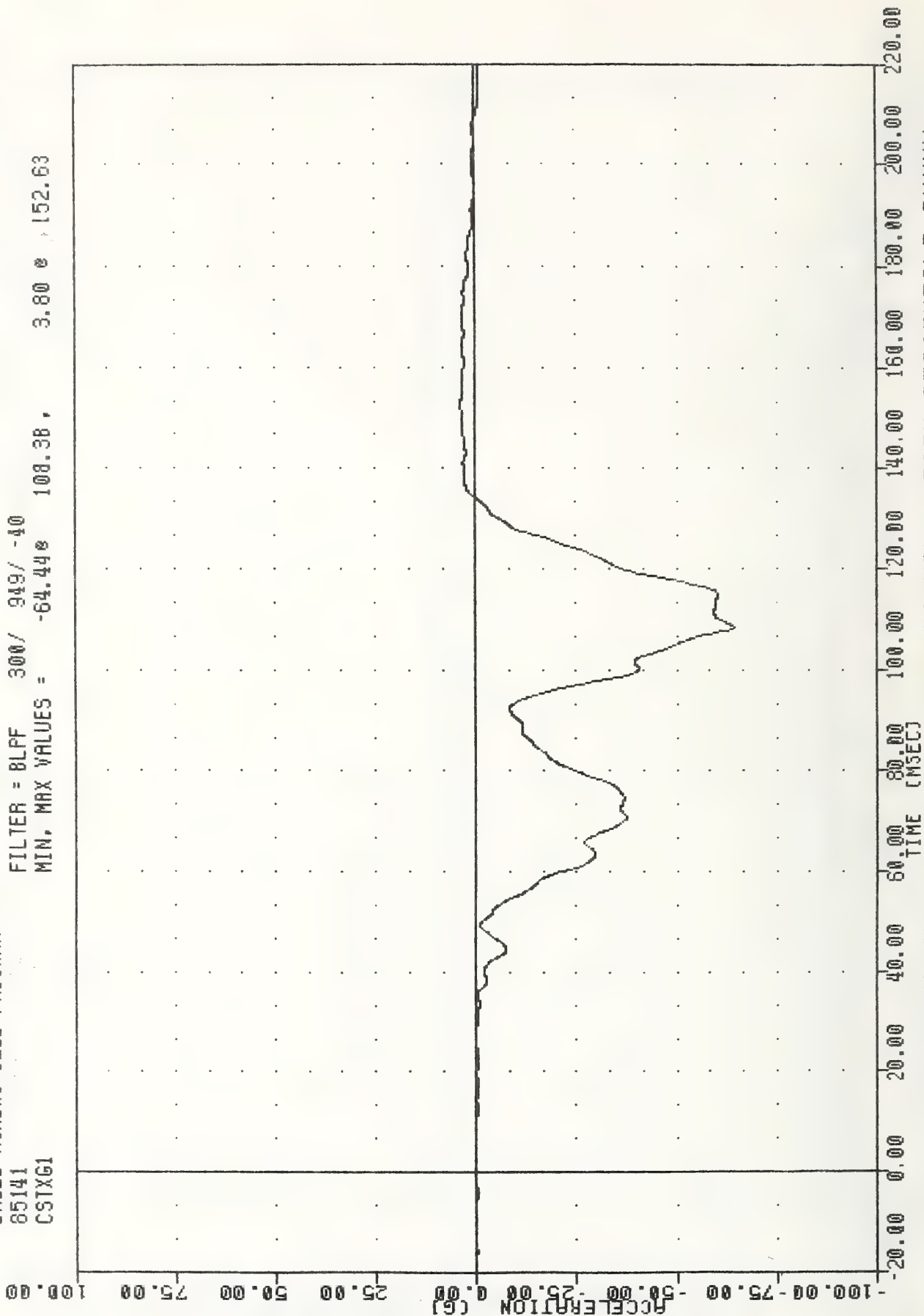


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85141
CSTXG1

PLOT DATE 22-MAY-85 09:35:45

FILTER = 8LPF 300/ 949/ -40
MIN, MAX VALUES = -64.44g 108.38g 3.80g 152.63



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

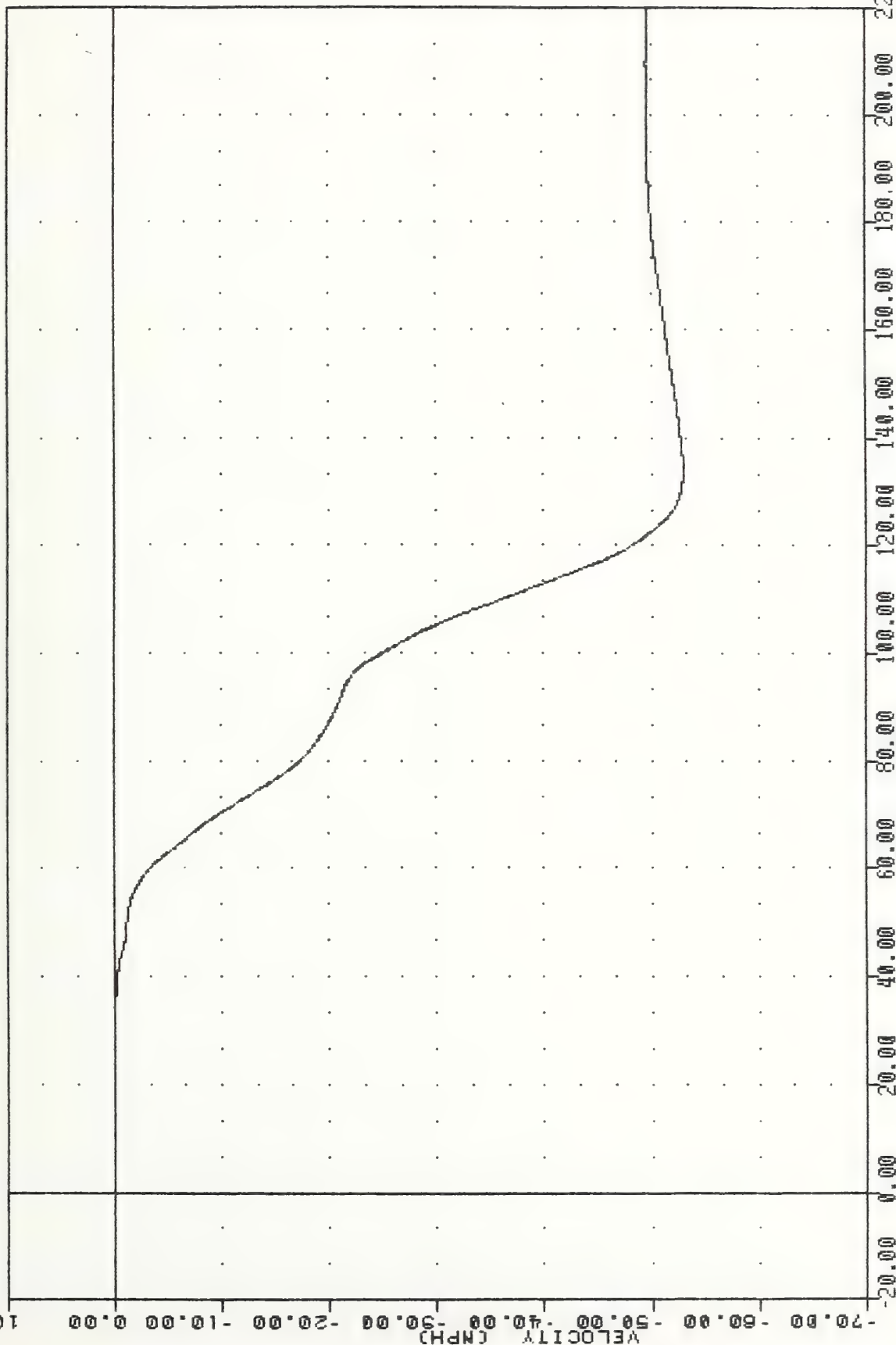
VATC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
CSTXV1

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -53.05 134.13, -0.02 e -6.25

10.00



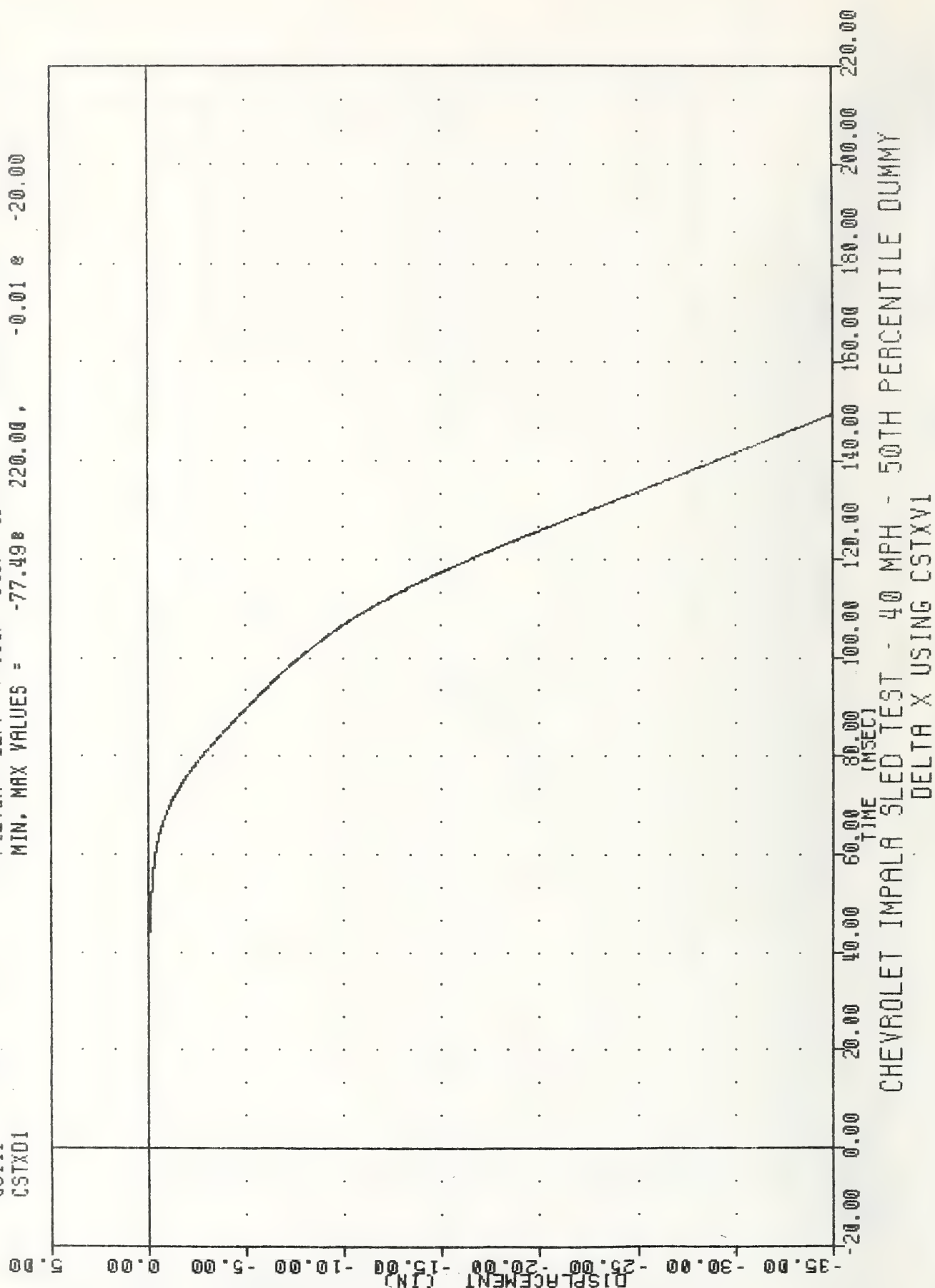
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA V USING CSTXG1

VRTC
BREED AIRBAG SLED PROGRAM
85141
CSTXD1

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -77.49 220.00 -0.01 e -20.00



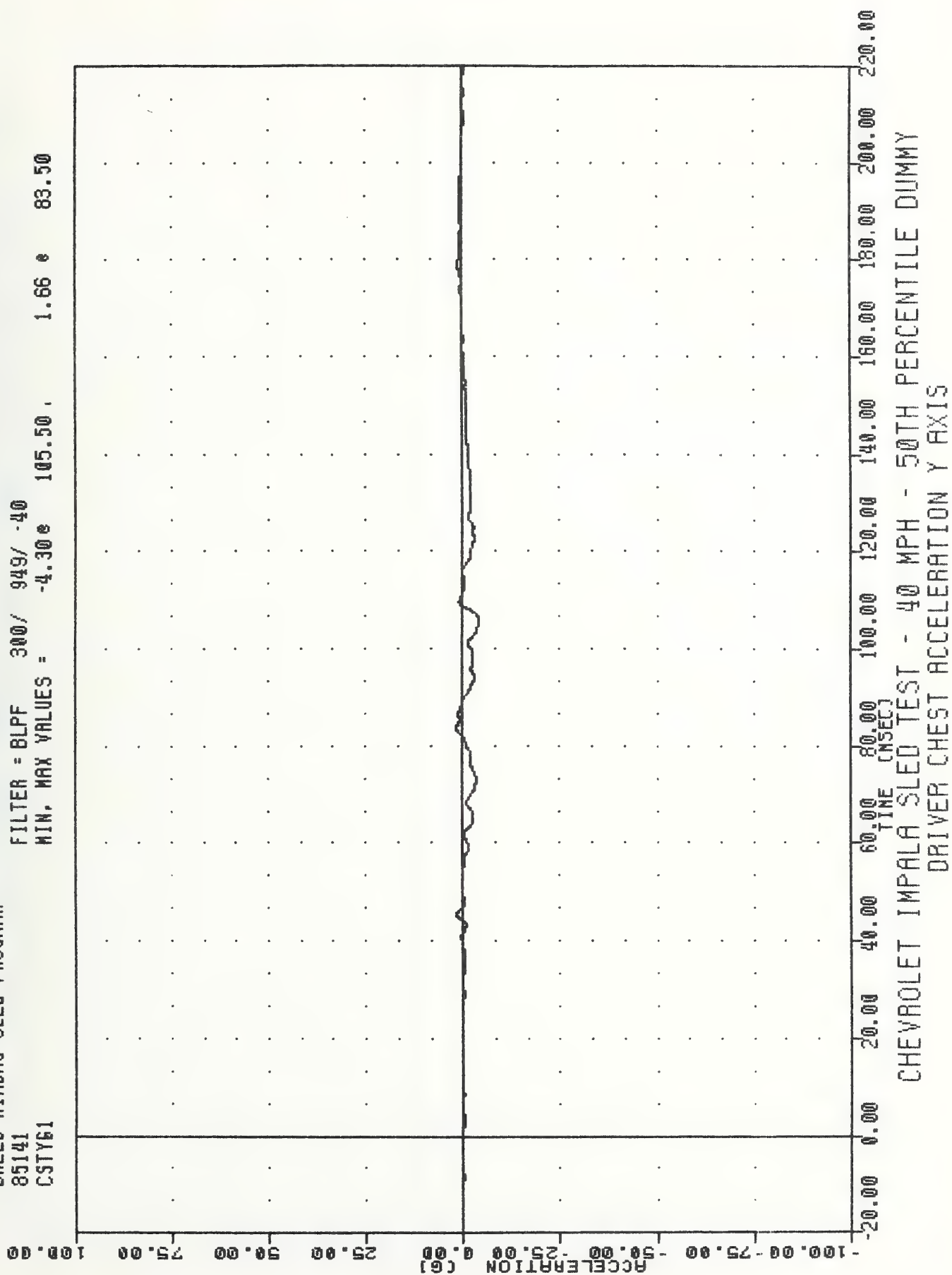
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXV1

VRATC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
CSTY61

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -4.30e 105.50 , 1.66 e 83.50

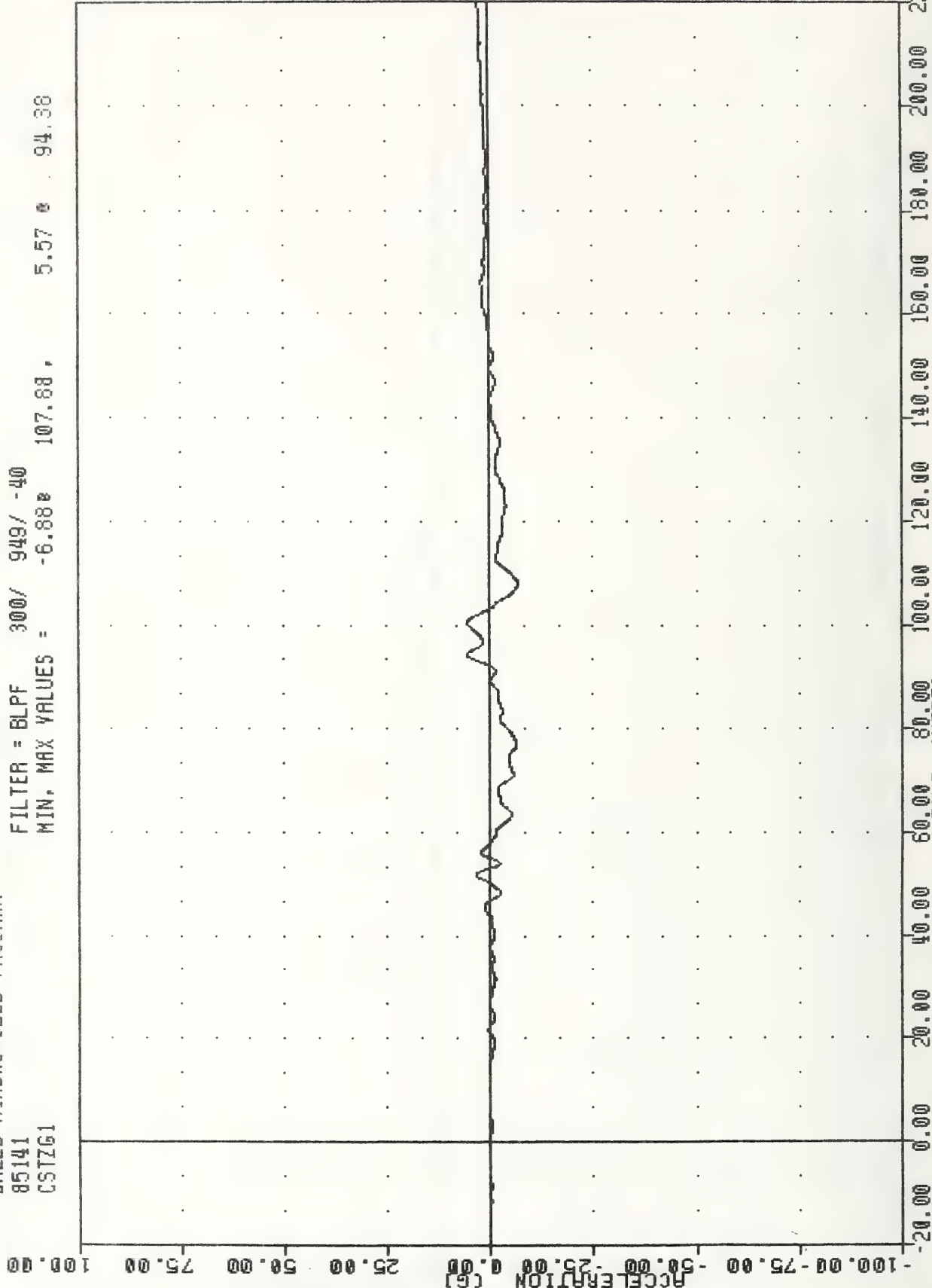


VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
CS7ZG1

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -6.88 107.88, 5.57 94.38



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

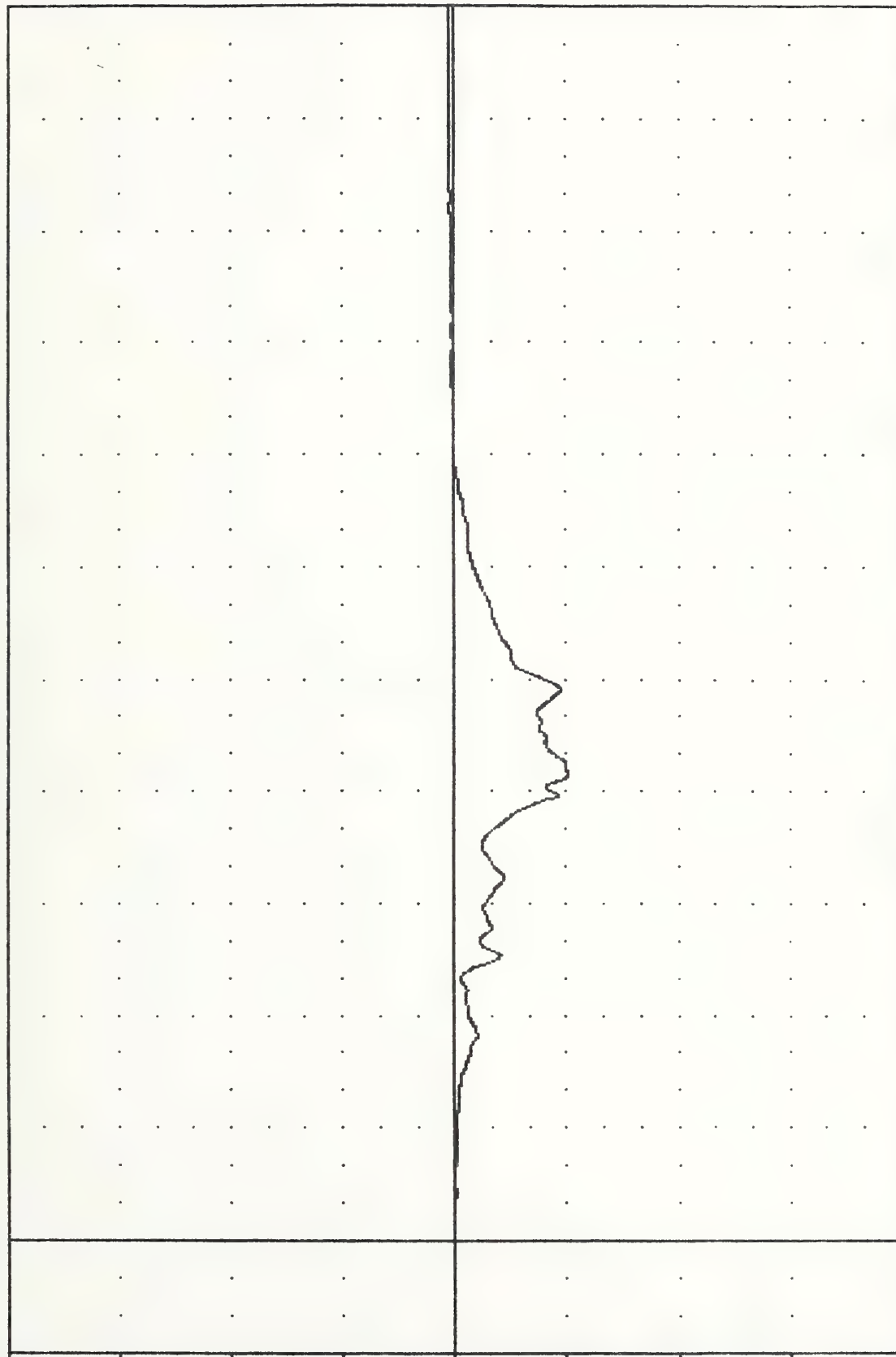
VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
PEVXG1

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -51.128 82.88, 2.66 e 215.13

ACCELERATION (G)



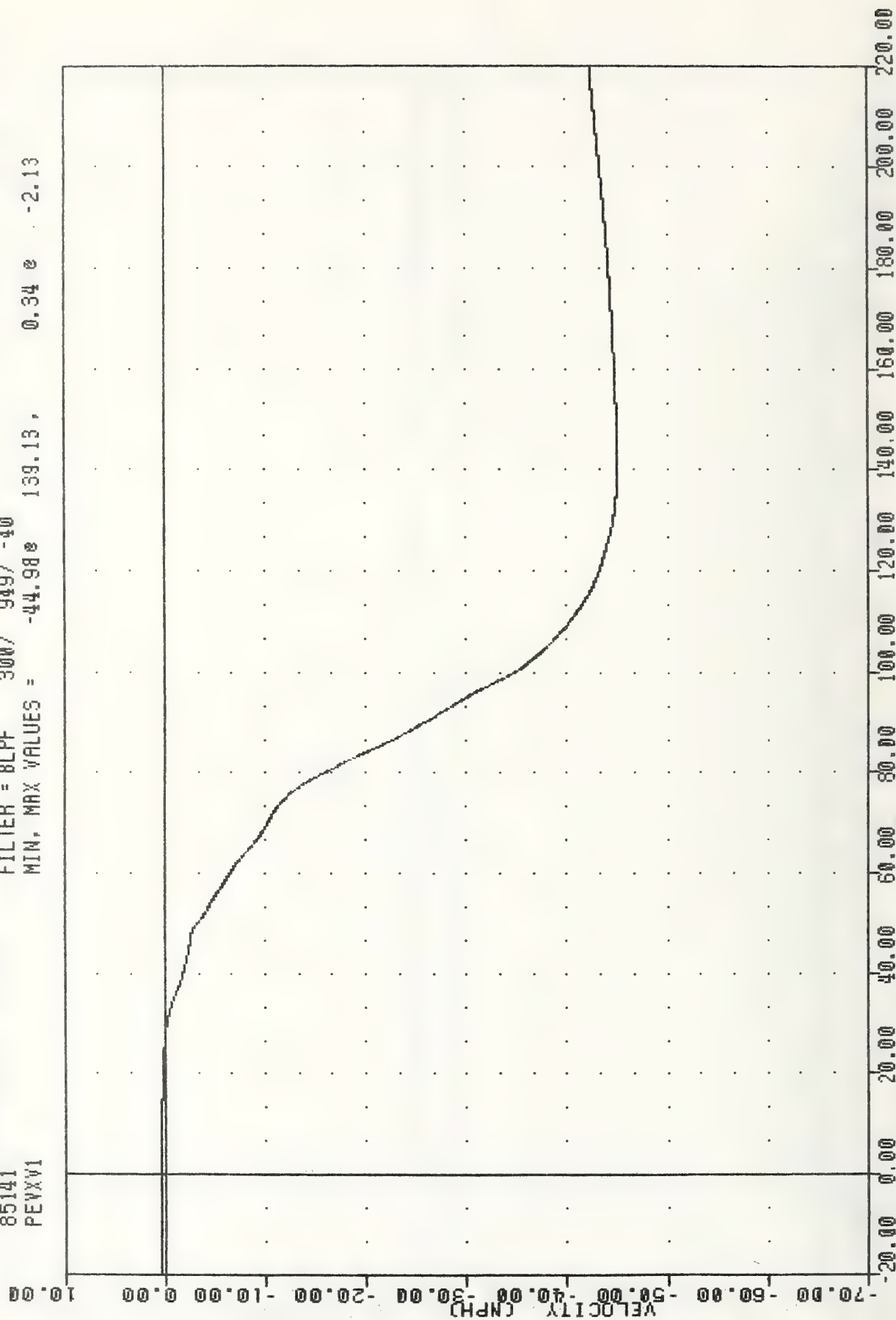
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRTC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 PEVXV1

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -44.98e 139.13, 0.34 e -2.13



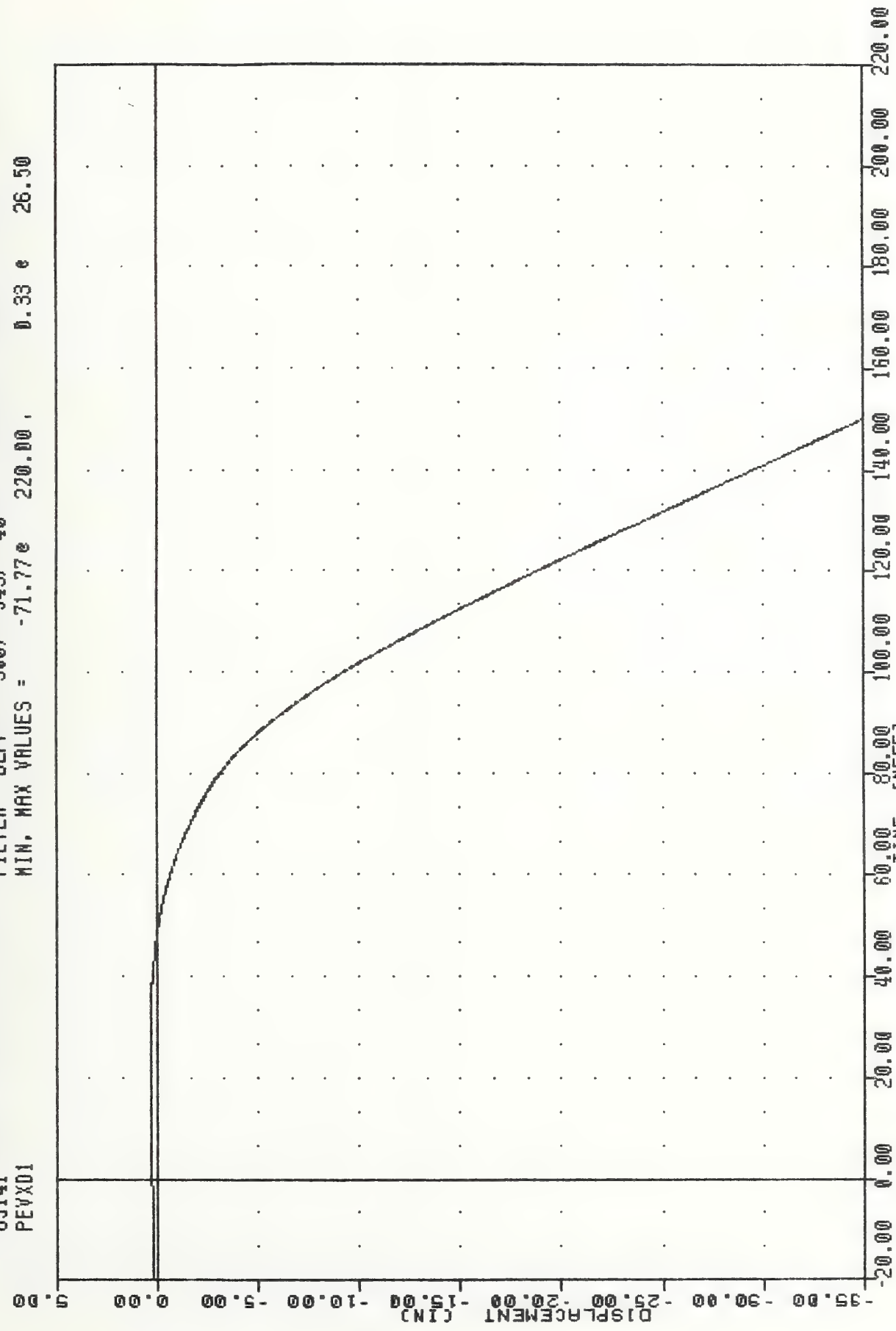
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING PEVXG1

VATC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 PEVXD1

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -71.77e 220.00 , 0.33 e 26.50



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING PEVXV1

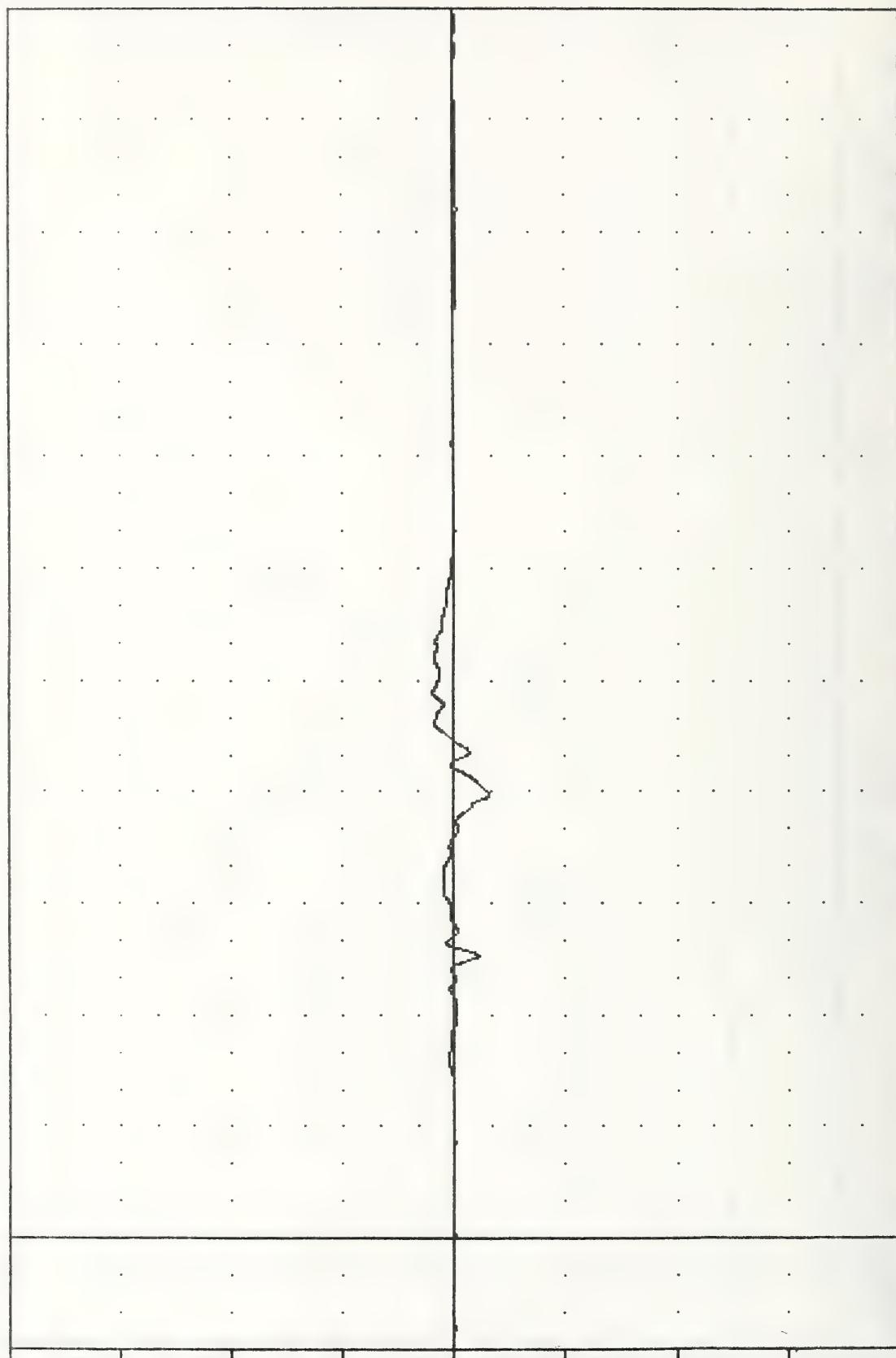
VRTC
BREED AIRBAG SLED PROGRAM
85141
PEVY61

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -15.80e 79.50, 9.61 e 97.88

ACCELERATION (G)



TIME (MSEC)

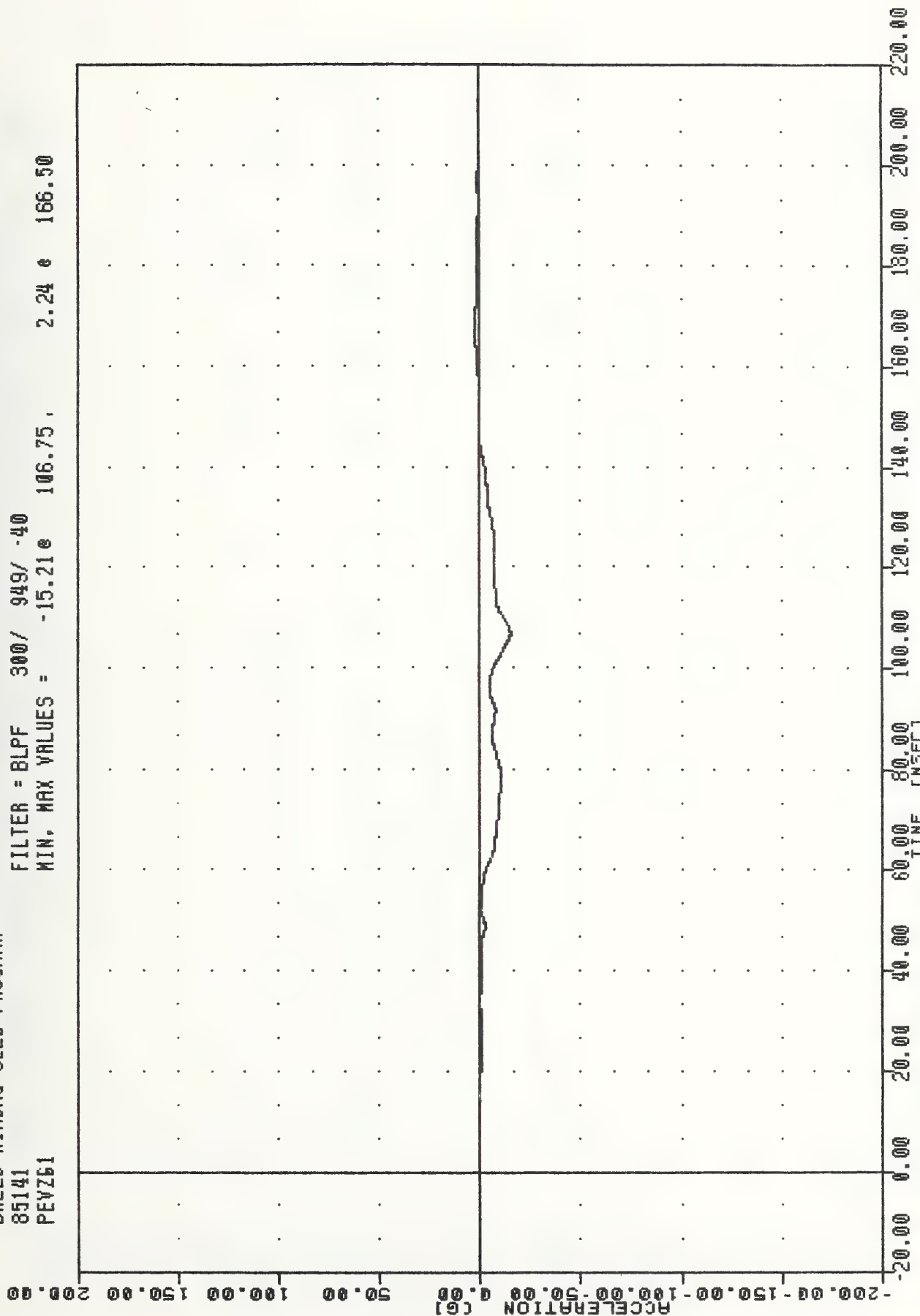
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VRTC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 PEVZ61

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -15.21e 106.75 , 2.24 e 166.50



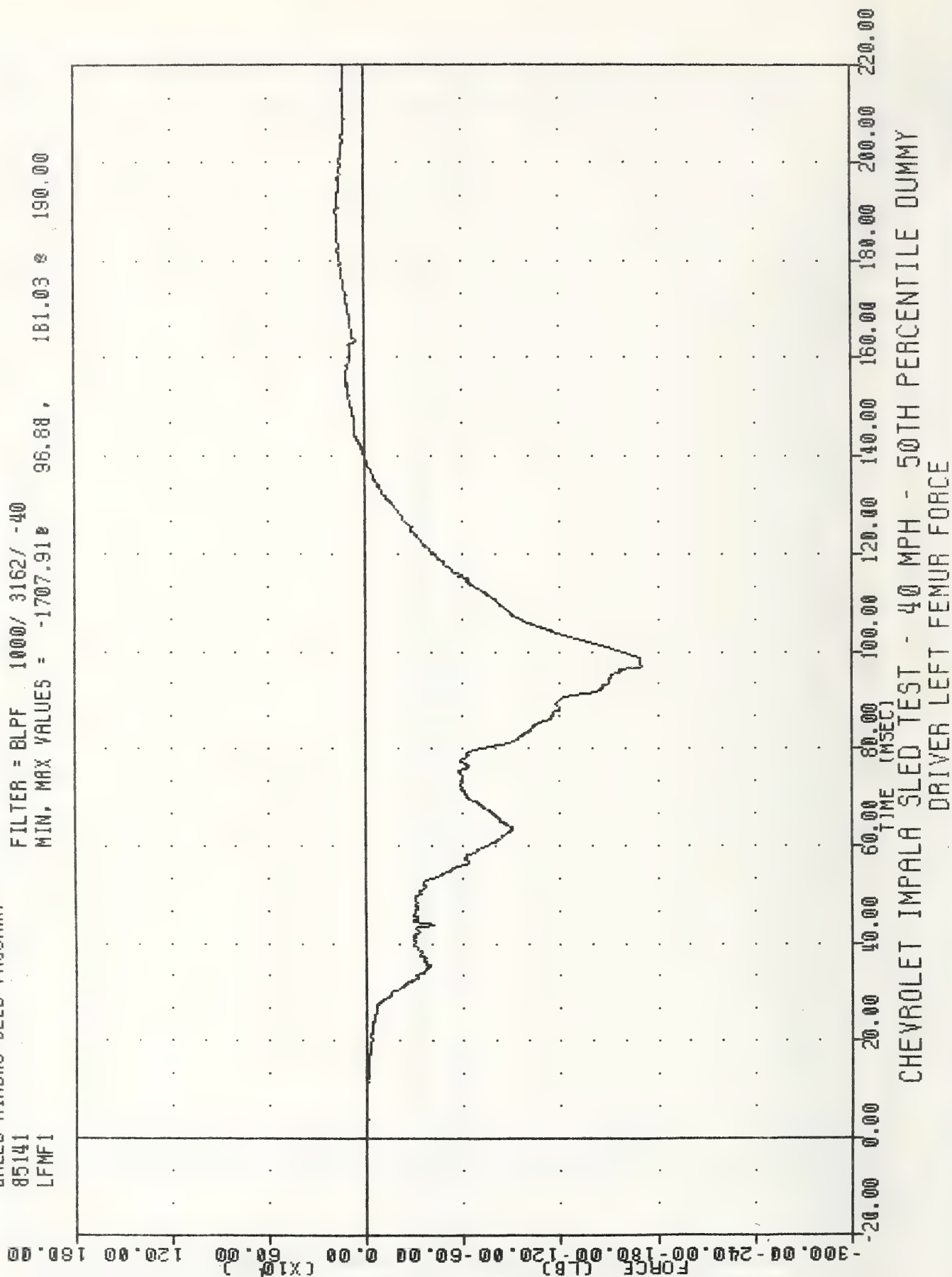
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85141
LFMF1

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -1707.91 96.88, 181.03 190.00

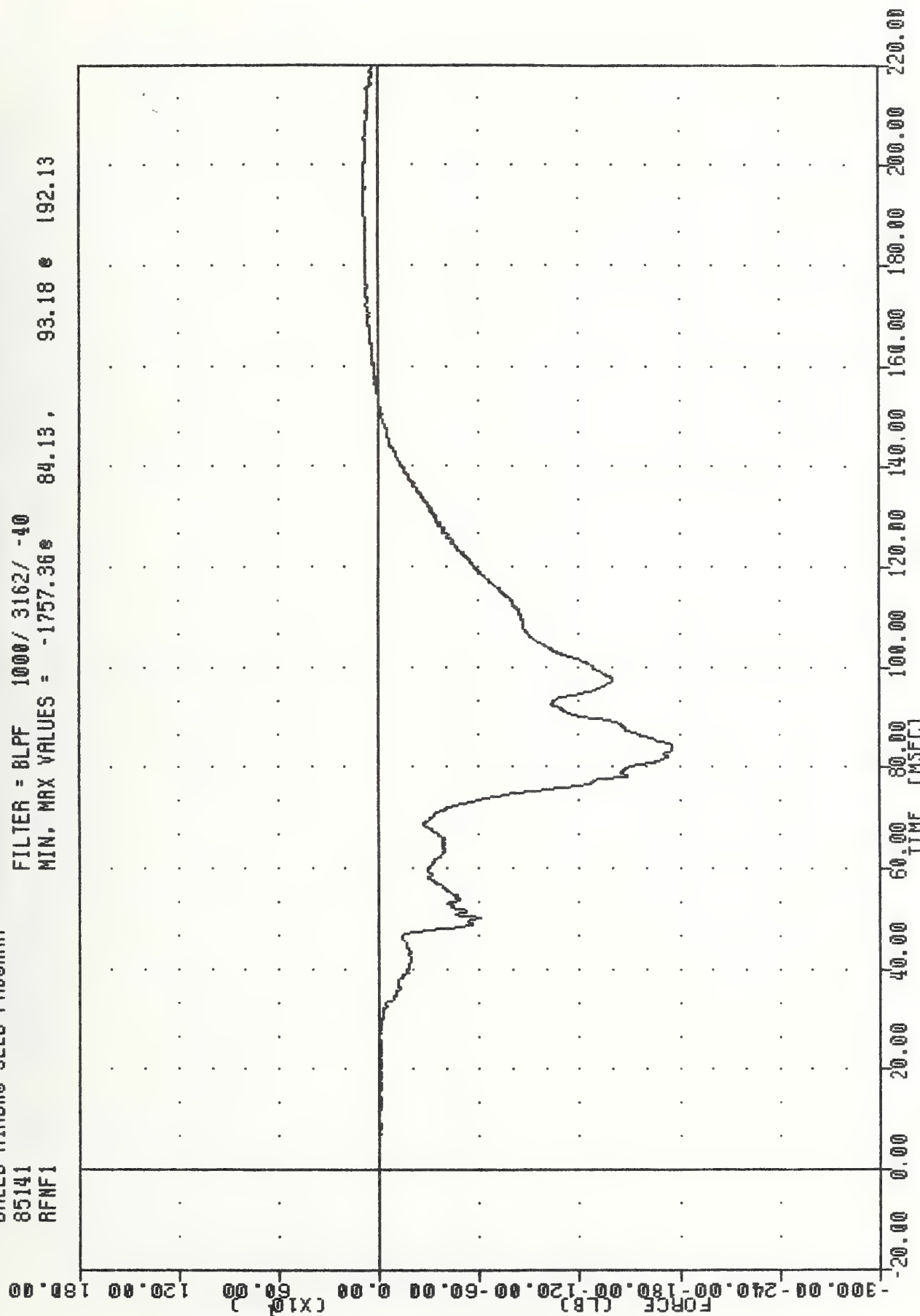


VRTC
BREED AIRBAG SLED PROGRAM
85141
RFNF1

PLOT DATE 22-MAY-85 09:35:45

FILTER = 8LPF 1000/ 3162/ -40

MIN. MAX VALUES = -1757.36 84.13, 93.18 192.13



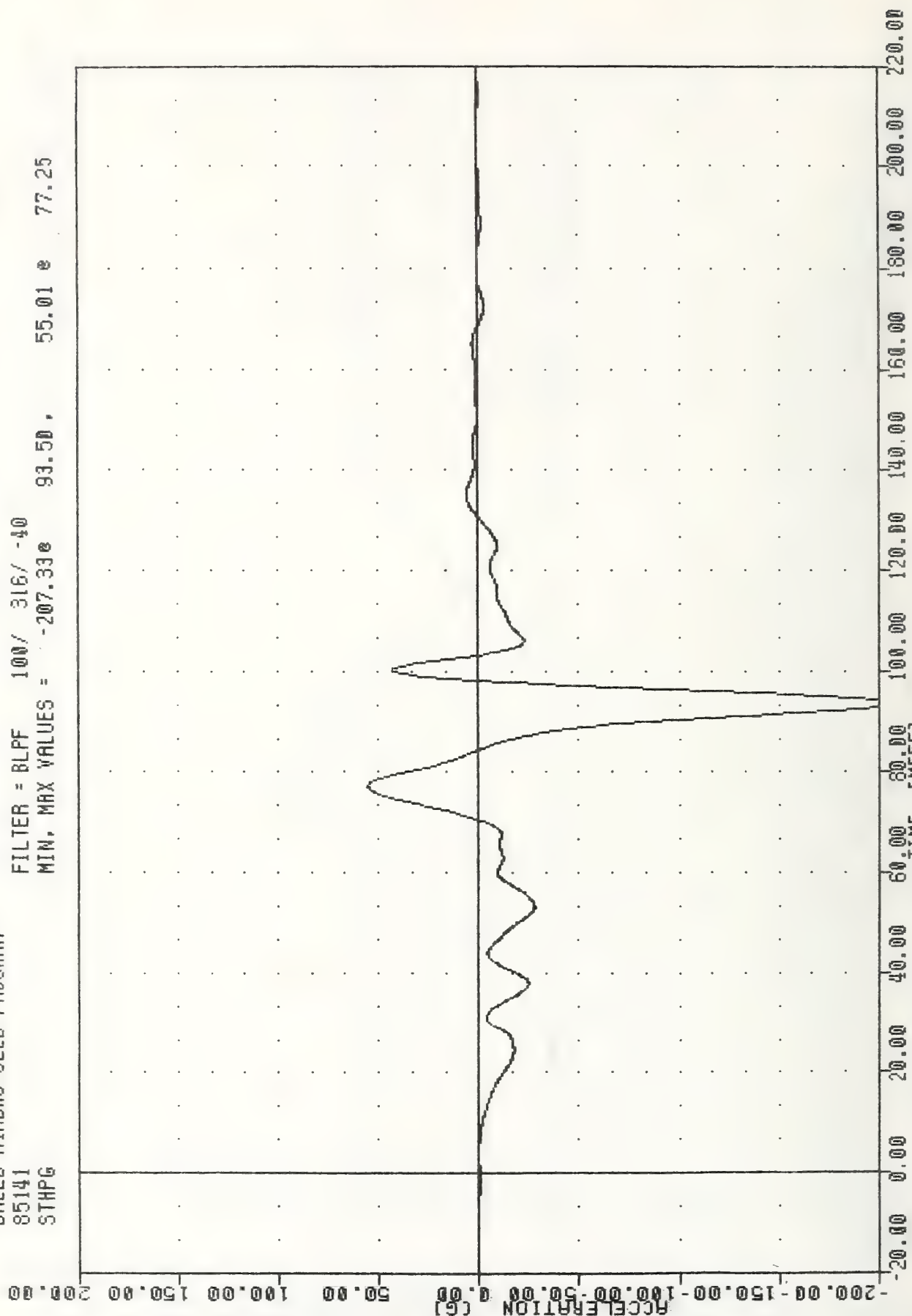
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
STHPG

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -207.33e 93.50, 55.01 e 77.25



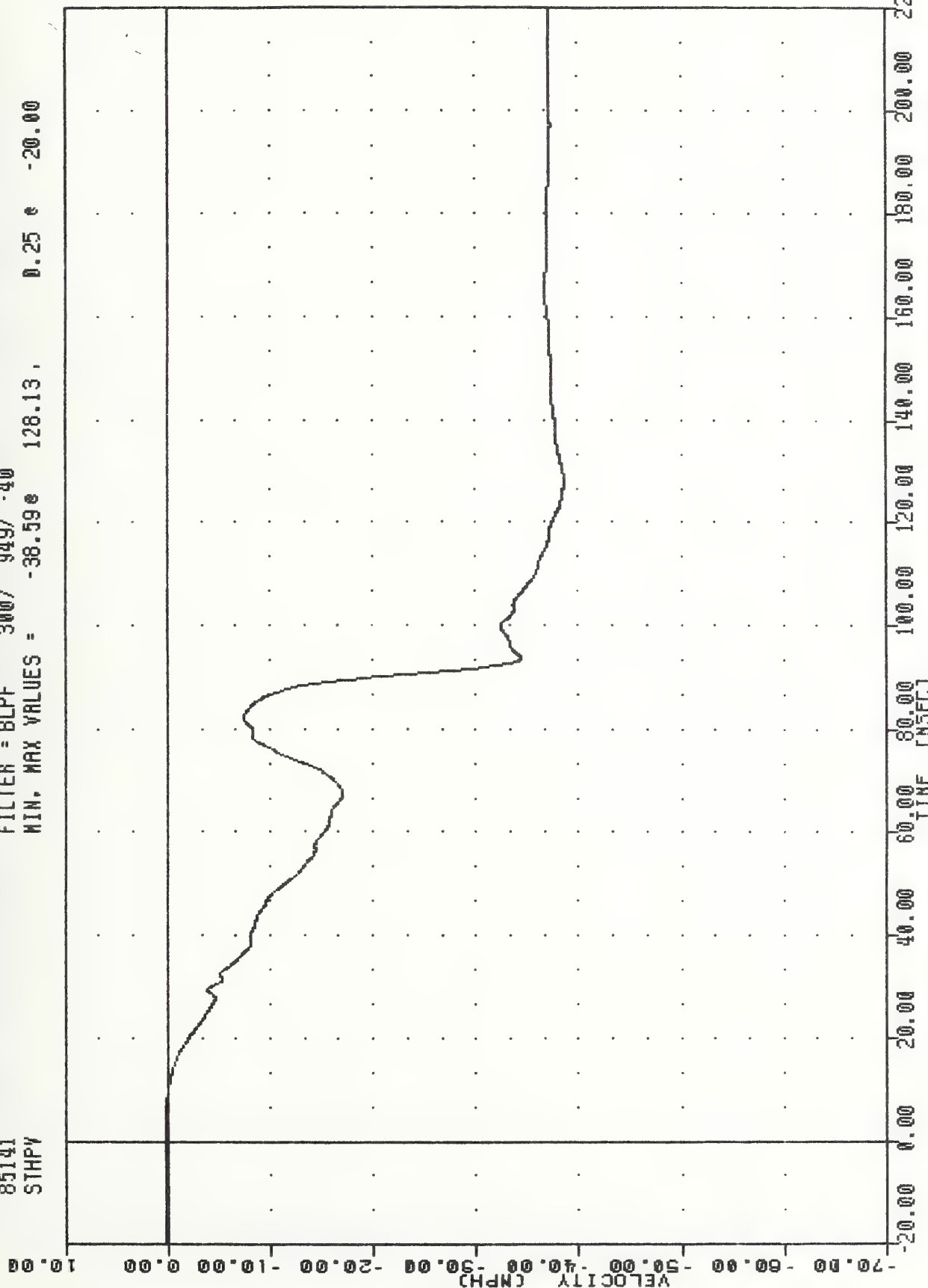
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

VRTC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 STHPV

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -38.59 128.13 0.25 -20.00



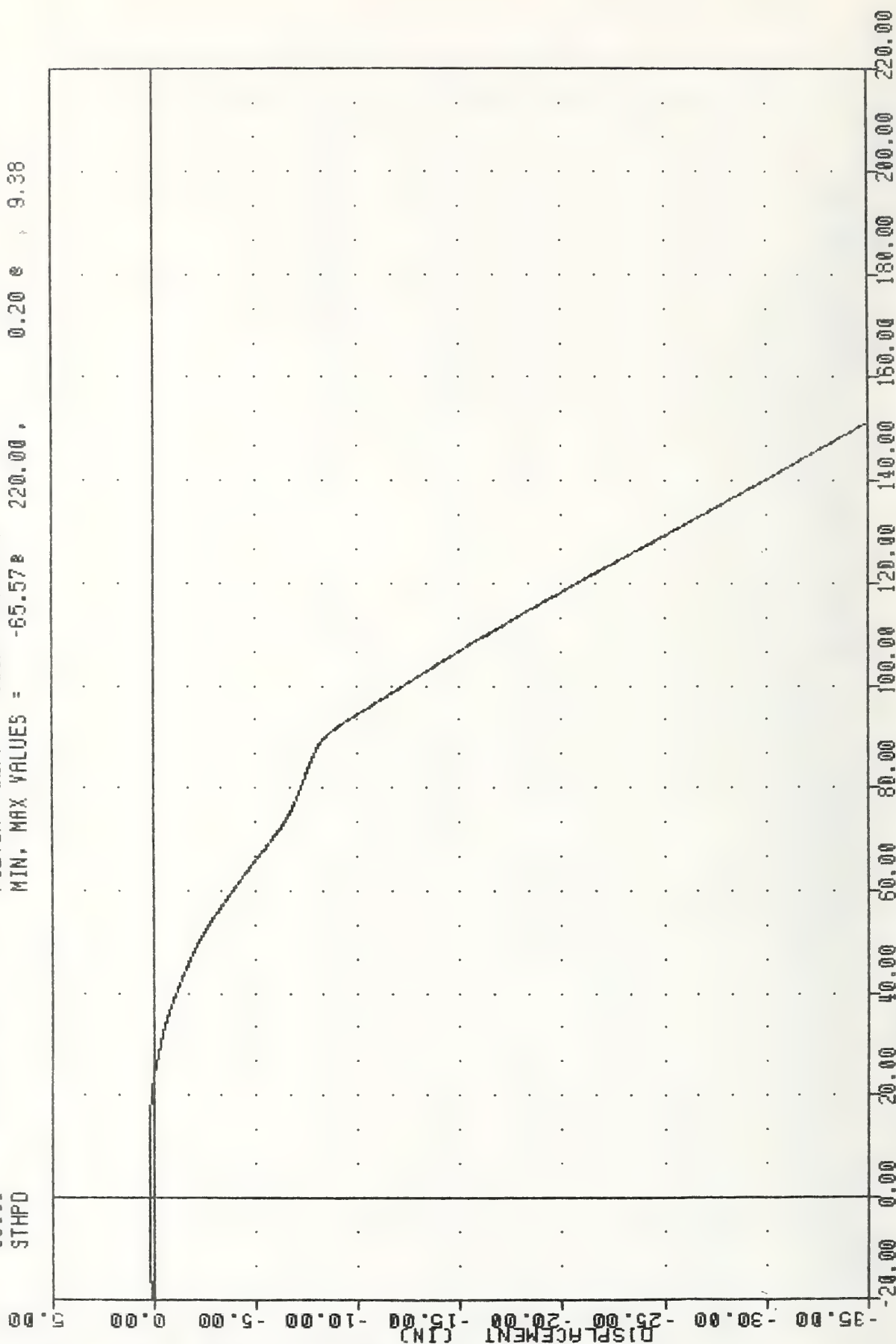
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING STHPG

VRTC
BREED AIRBAG SLED PROGRAM
85141
STHPD

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -65.57 220.00 0.20 9.38



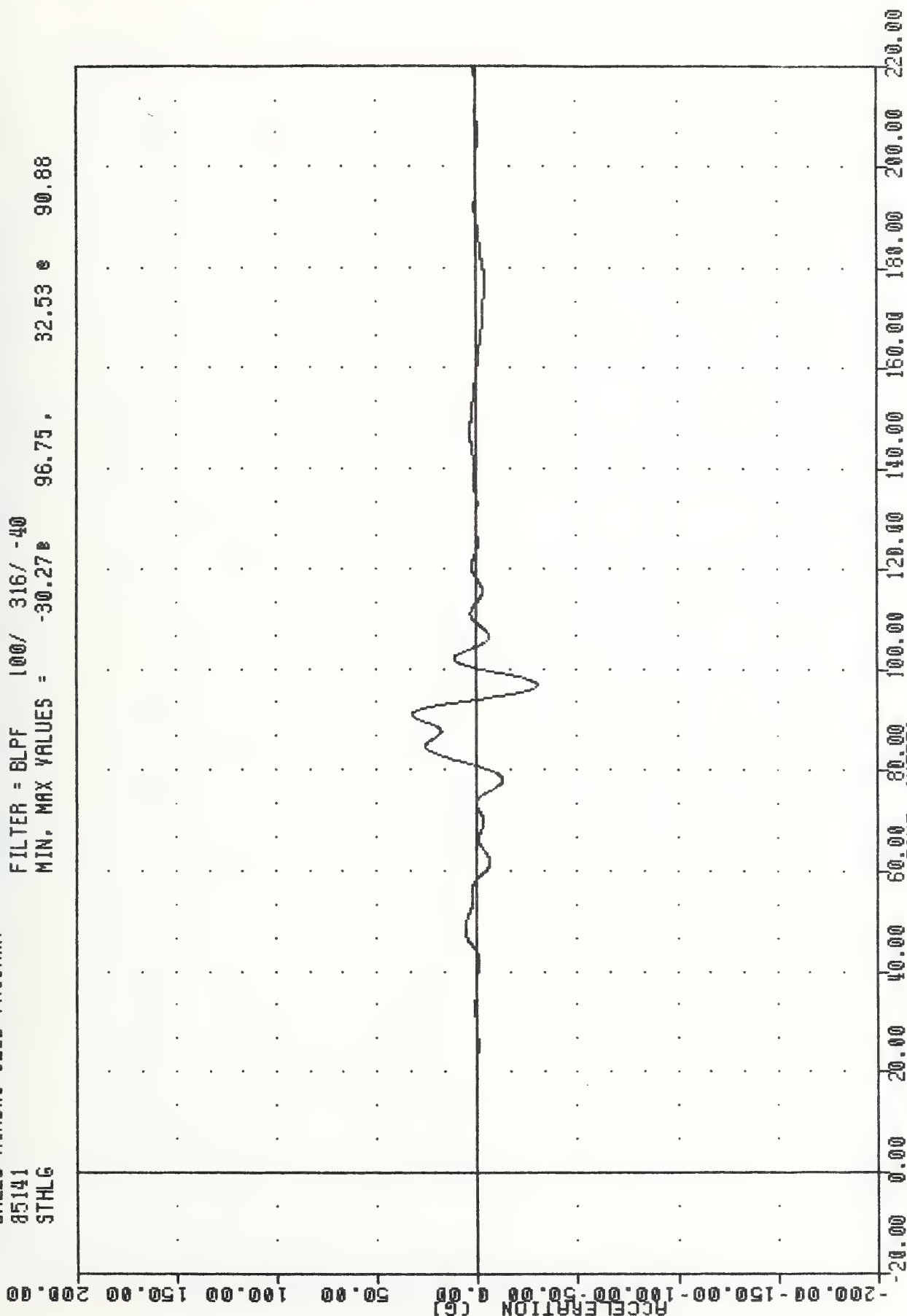
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA X USING STHPV

VRTC , R0384-4-36
BREED AIRBAG SLED PROGRAM
85141
STHLG

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -30.27 96.75 , 32.53 90.88



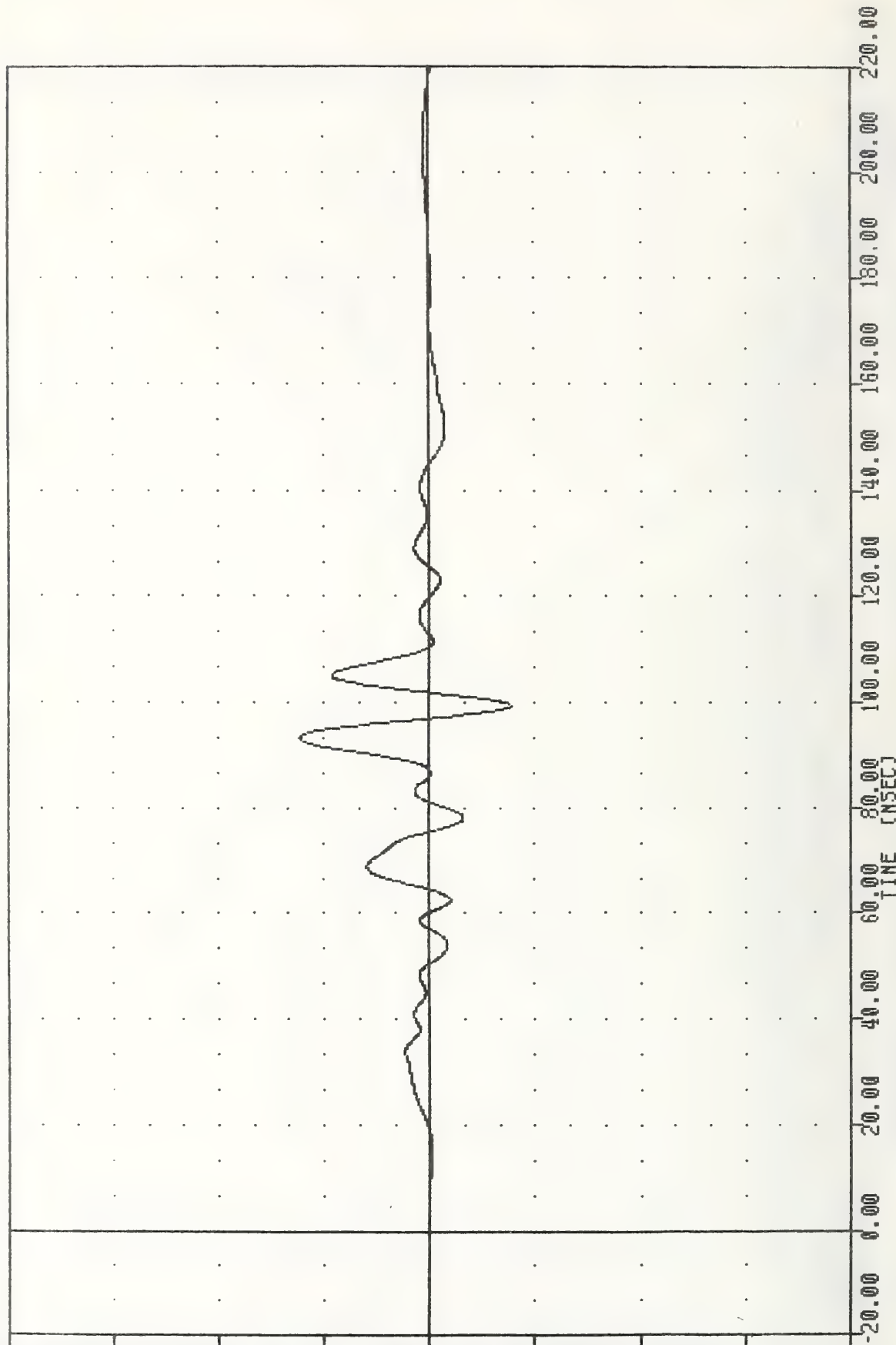
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

WATC RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
STH16

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -38.67e 99.38 , 61.33 e 93.38

338
ACCELERATION (G)



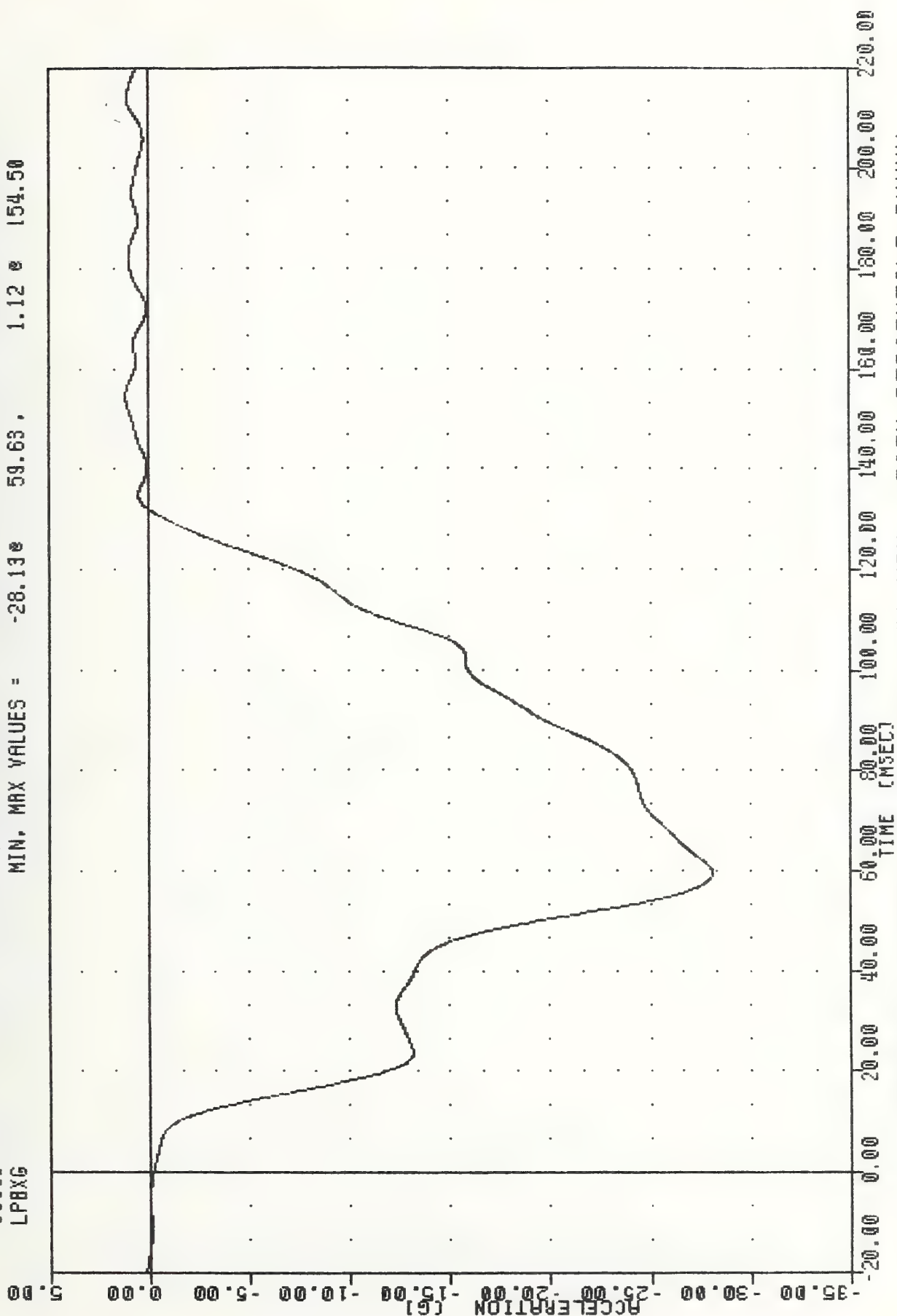
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

VRIC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
LP8XG

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -28.13e 59.63, 1.12 e 154.50

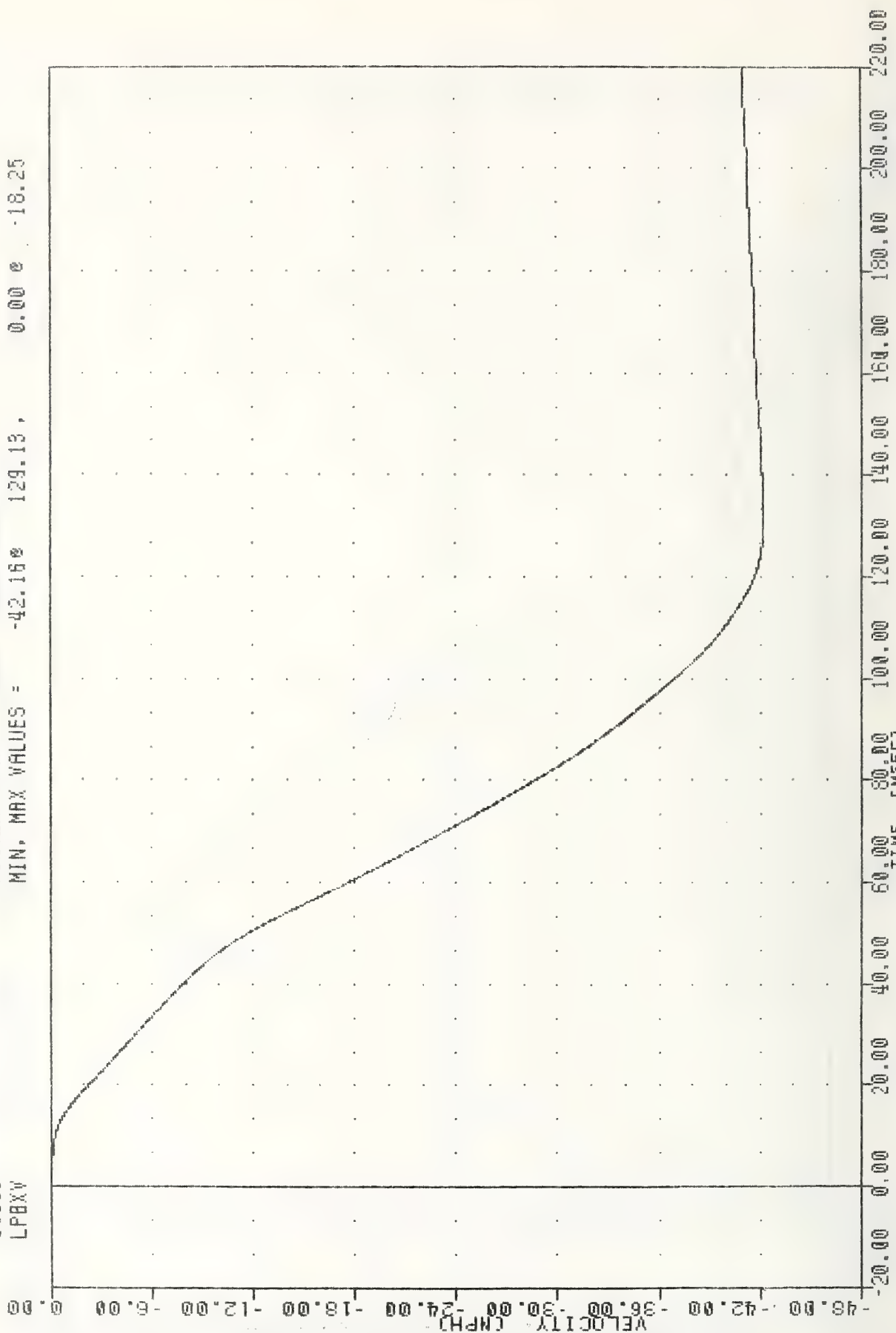


VRTC
 BREED AIRBAG SLED PROGRAM
 85141
 LPBXV

PLOT DATE 11-JUN-85 11:19:15

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -42.16 129.13, 0.00 0.00 18.25



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

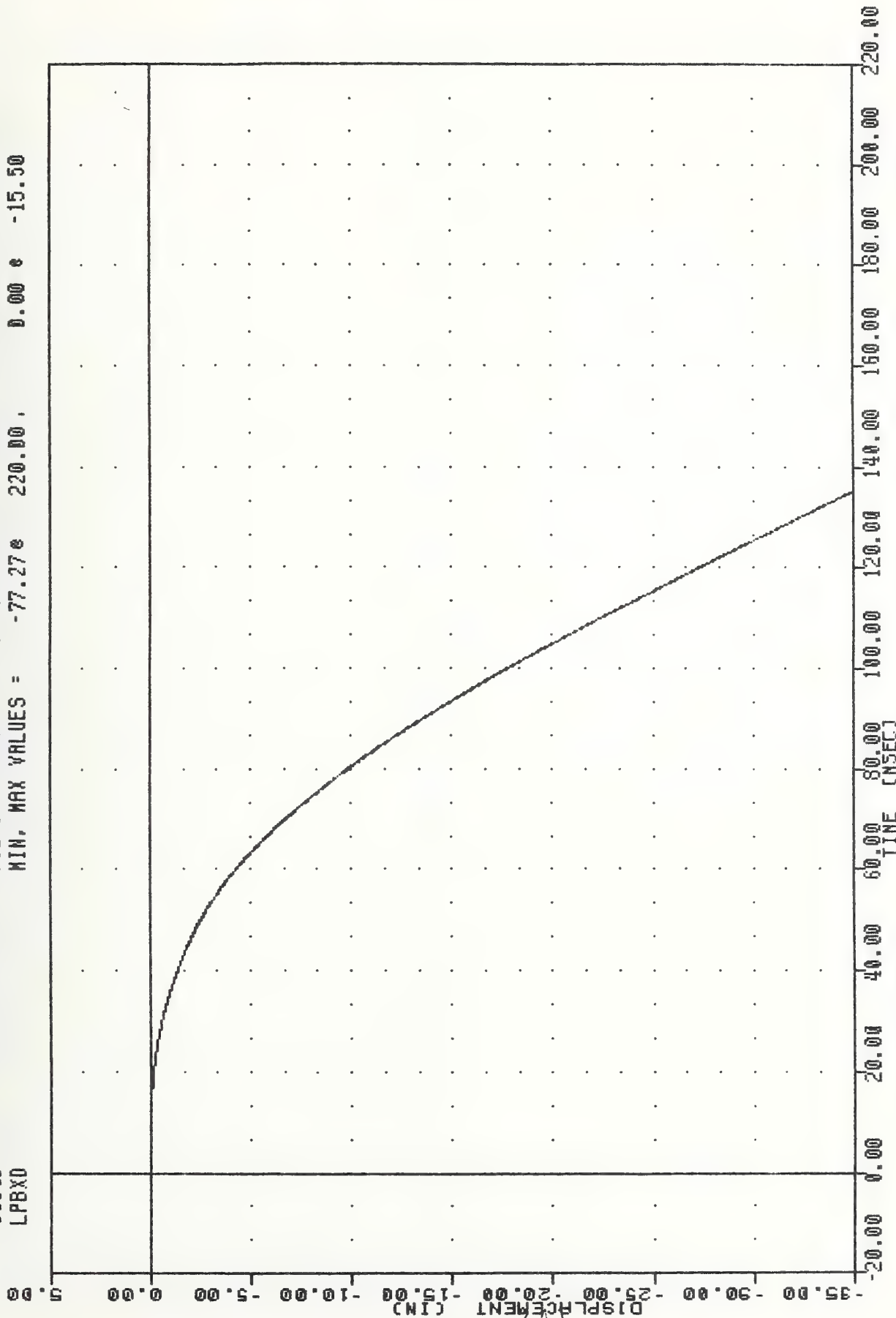
DELTA V USING LPBXG

VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
LPBXD

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -77.27 220.00, 0.00 -15.50



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA X USING LPBXV

VATC , RD384-4-36
BRAED AIRBAG SLED PROGRAM
85141
LPBYG

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -2.56e 87.13, 3.16 e 104.00

ACCELERATION (G)

20.00

15.00

10.00

5.00

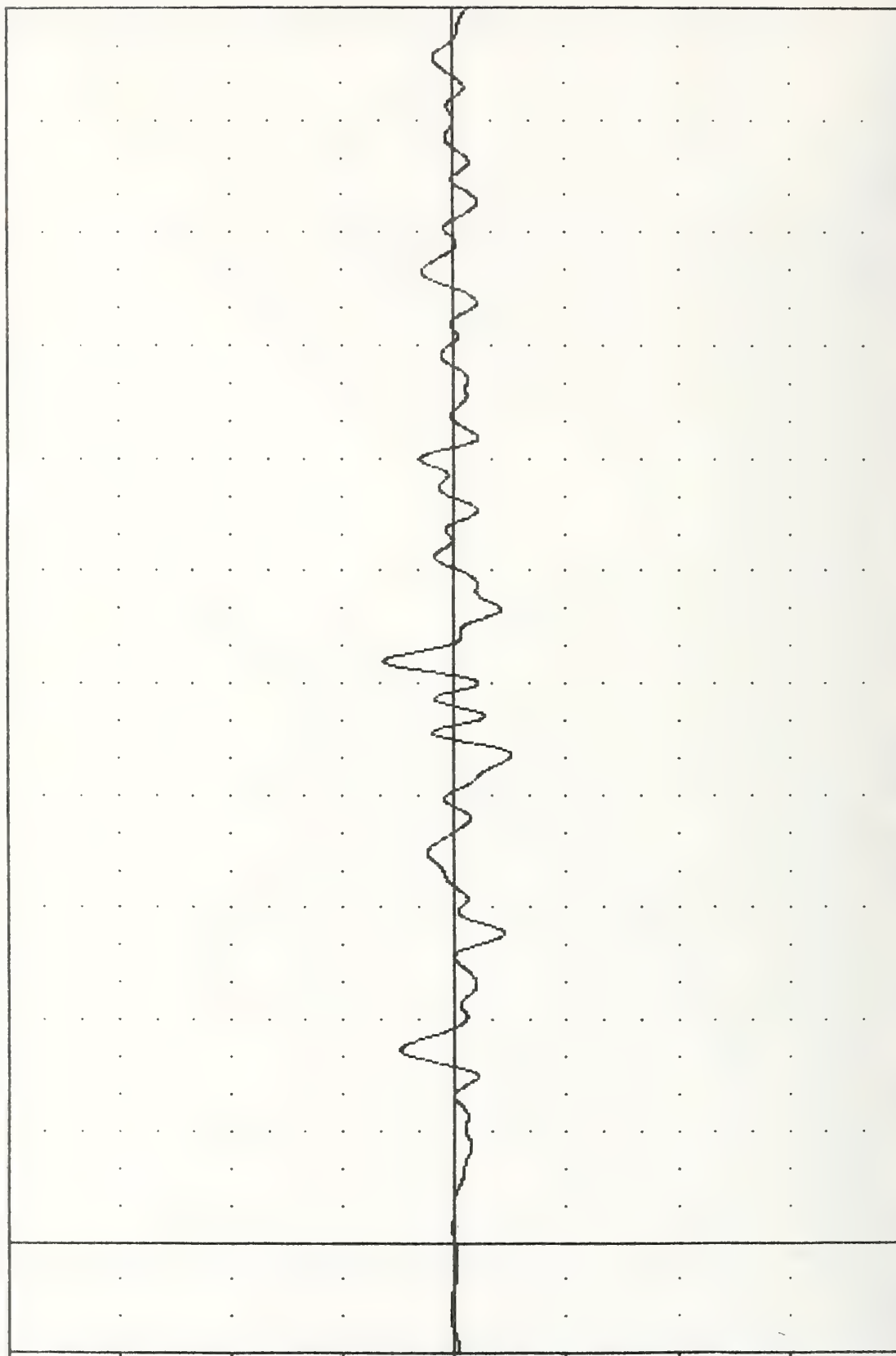
0.00

-5.00

-10.00

-15.00

-20.00



TIME (MSEC)

20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

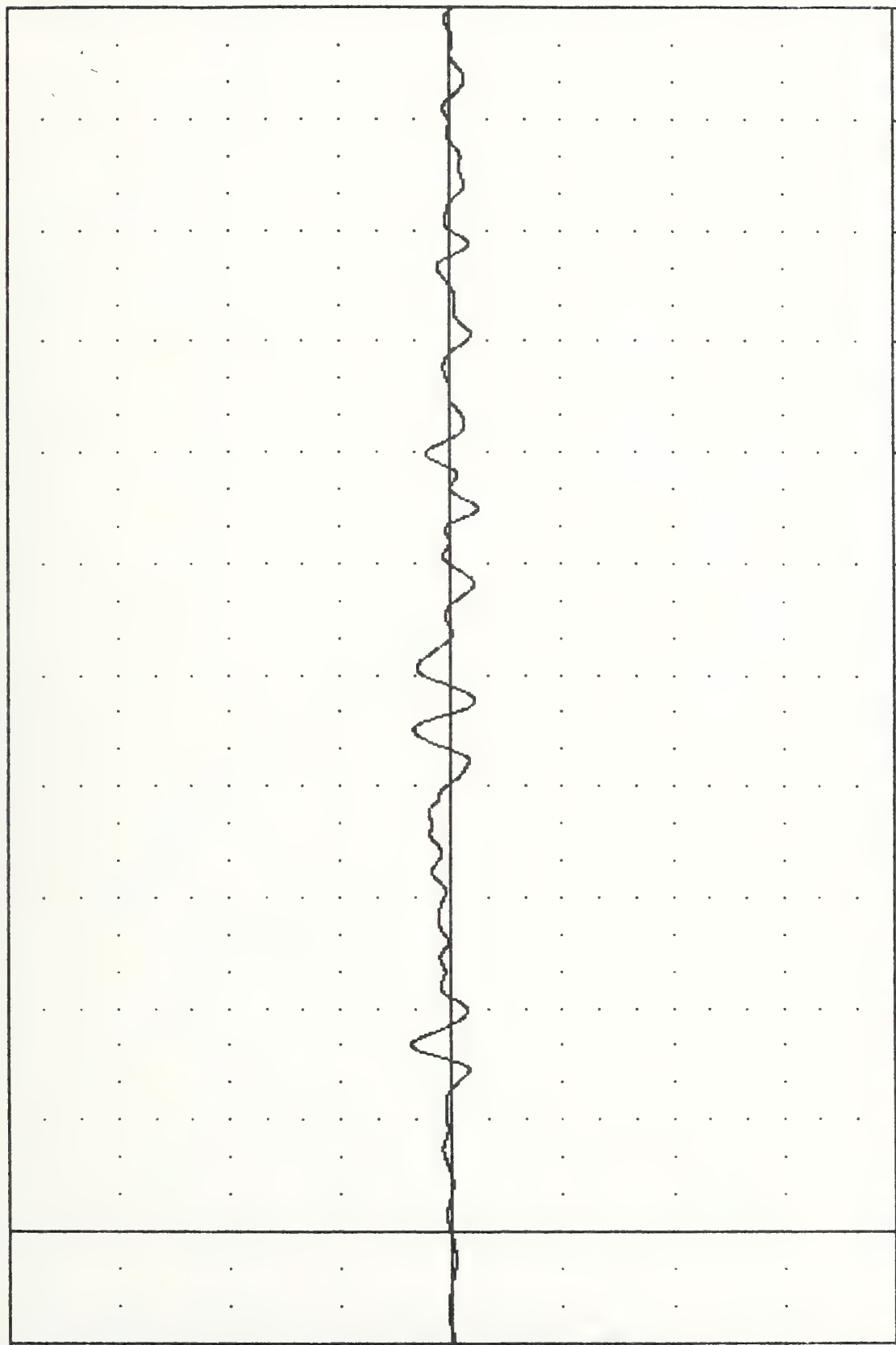
VRTC , R0384-4-36
BREED AIRBAG SLED PROGRAM
85141
LPBZG

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.238 129.75, 1.82 33.38

ACCELERATION (G)



20.00 15.00 10.00 5.00 0.00 -5.00 -10.00 -15.00 -20.00

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

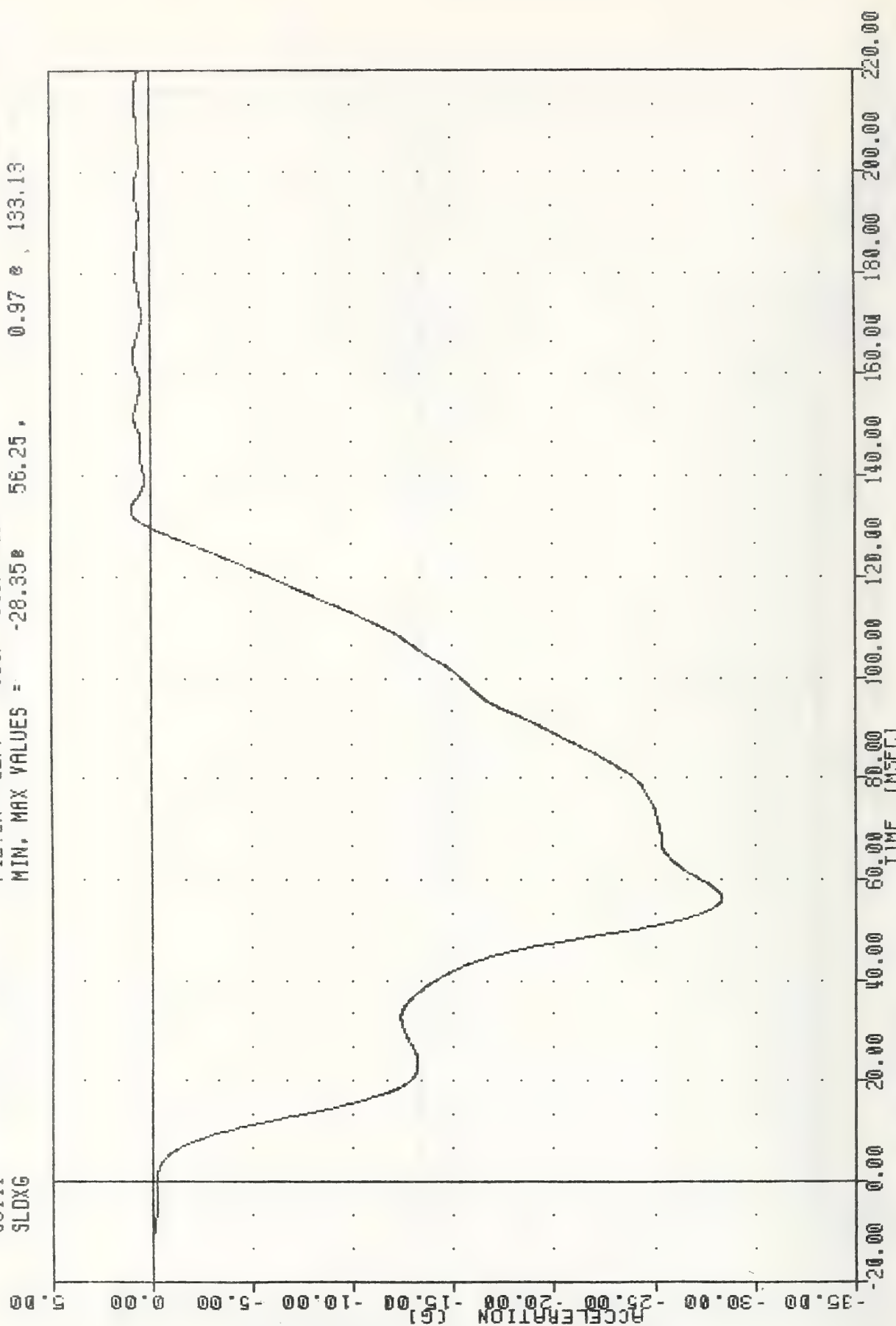
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC , R0384-4-36
BREED AIRBAG SLED PROGRAM
85141
SLDXG

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -28.35 56.25 , 0.97 133.13



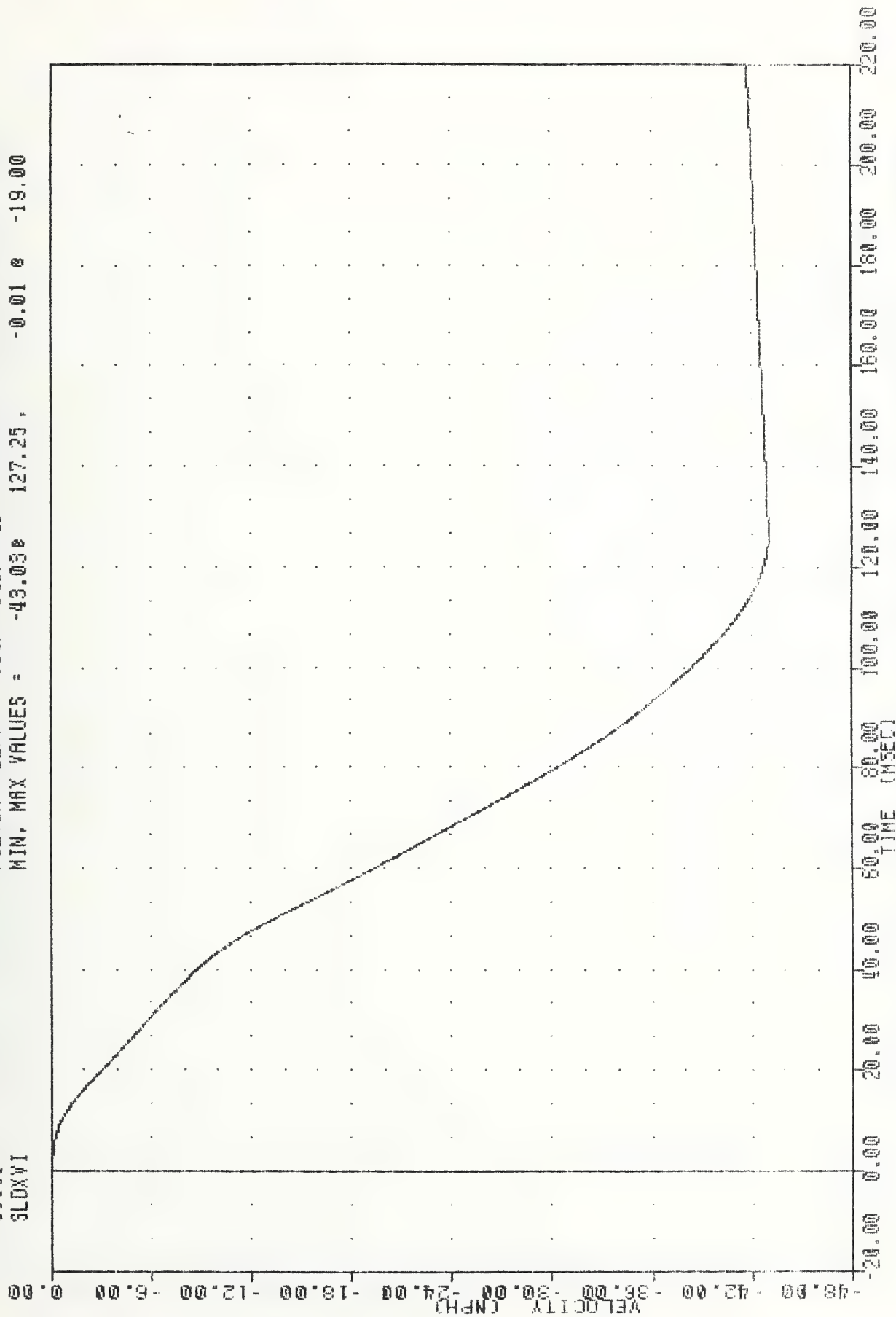
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

NRIC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
SLOXVI

PLOT DATE 11-JUN-85 11:19:15

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -43.03e 127.25, -0.01 e -19.00



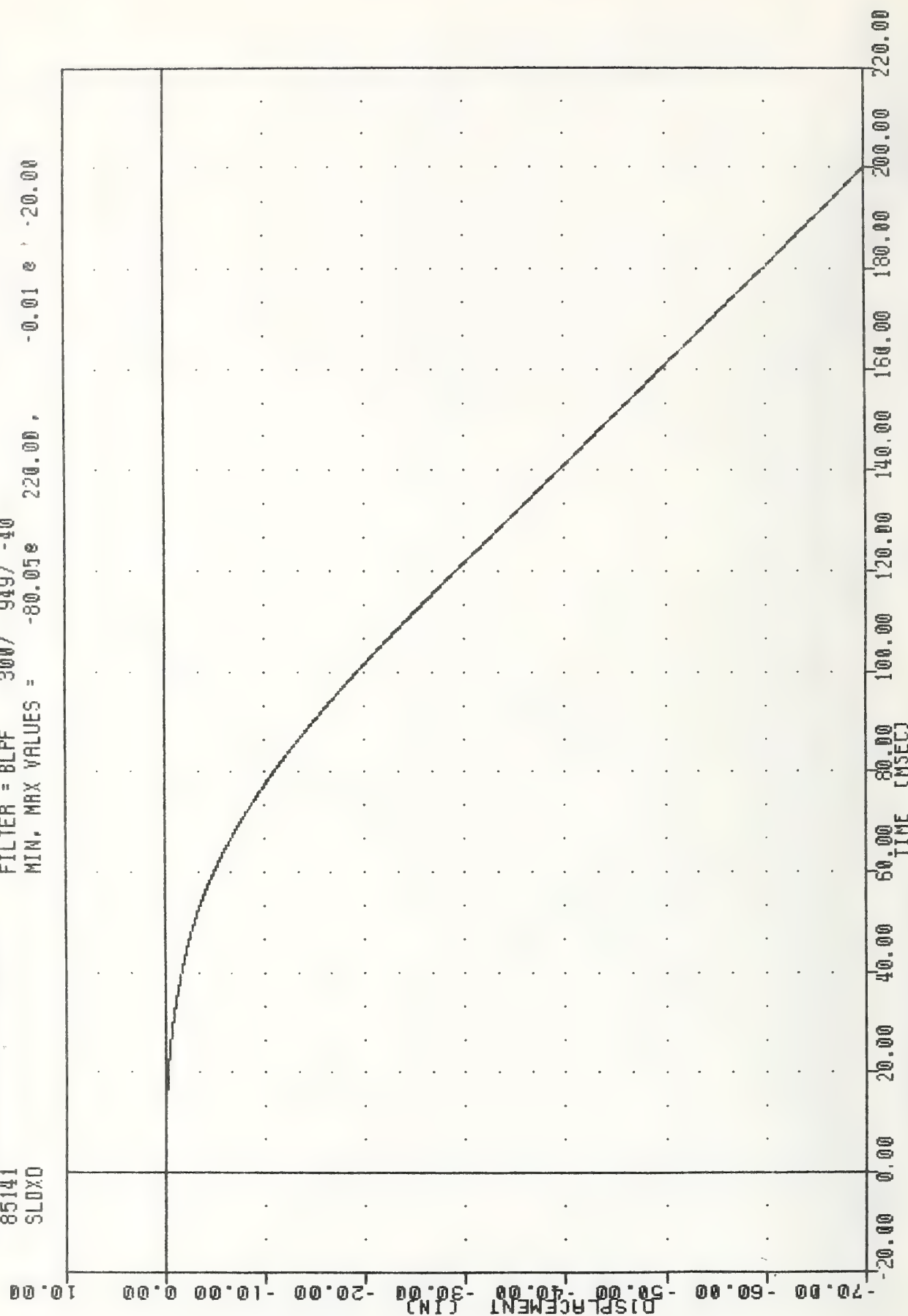
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

VRIC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 SLOXD

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -80.05e 220.00, -0.01e -20.00



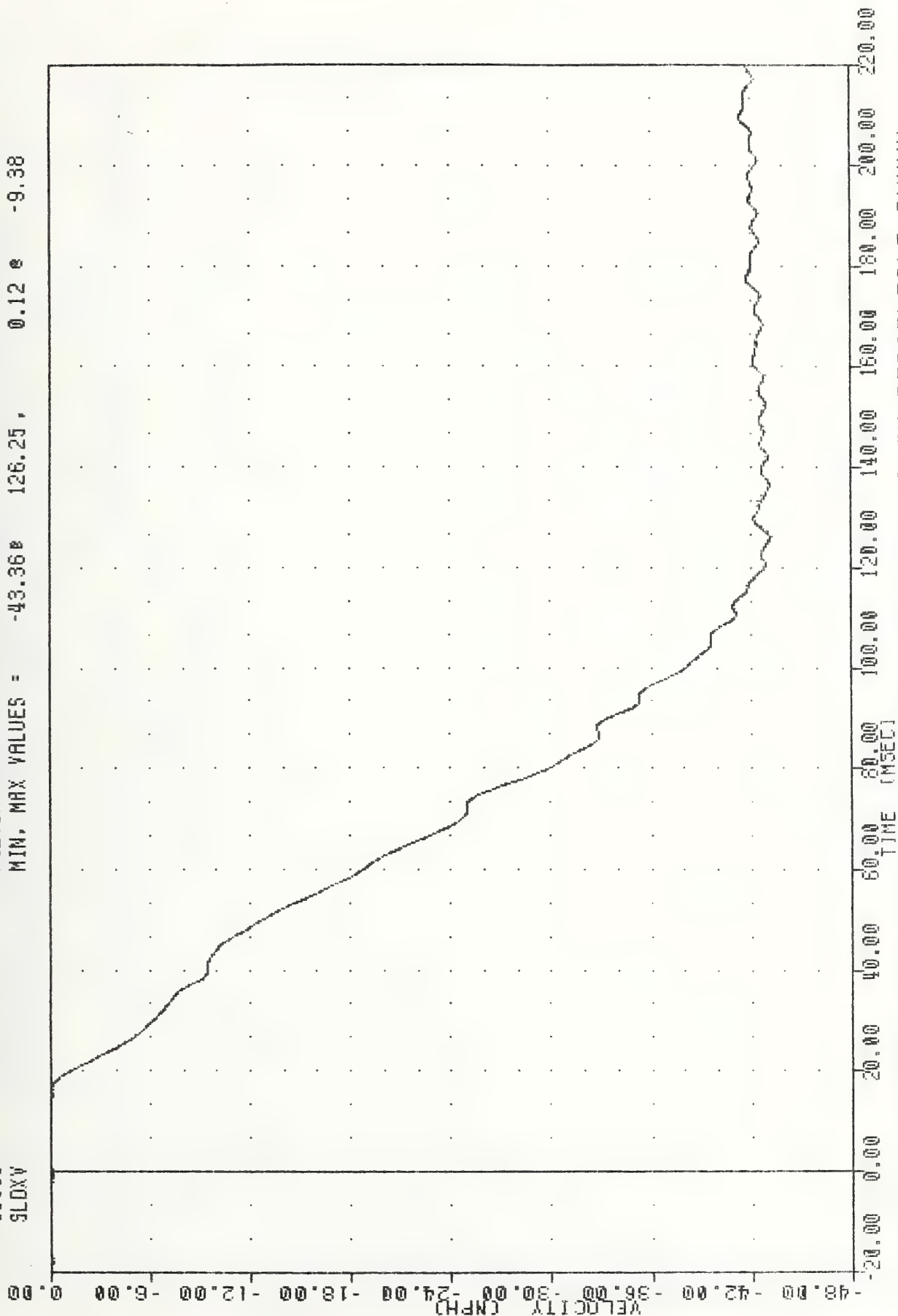
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

VRTC
BREED AIRBAG SLED PROGRAM
85141
SLOXV

PLOT DATE 11-JUN-85 11:27:55

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -43.36 126.25, 0.12 e -9.38



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

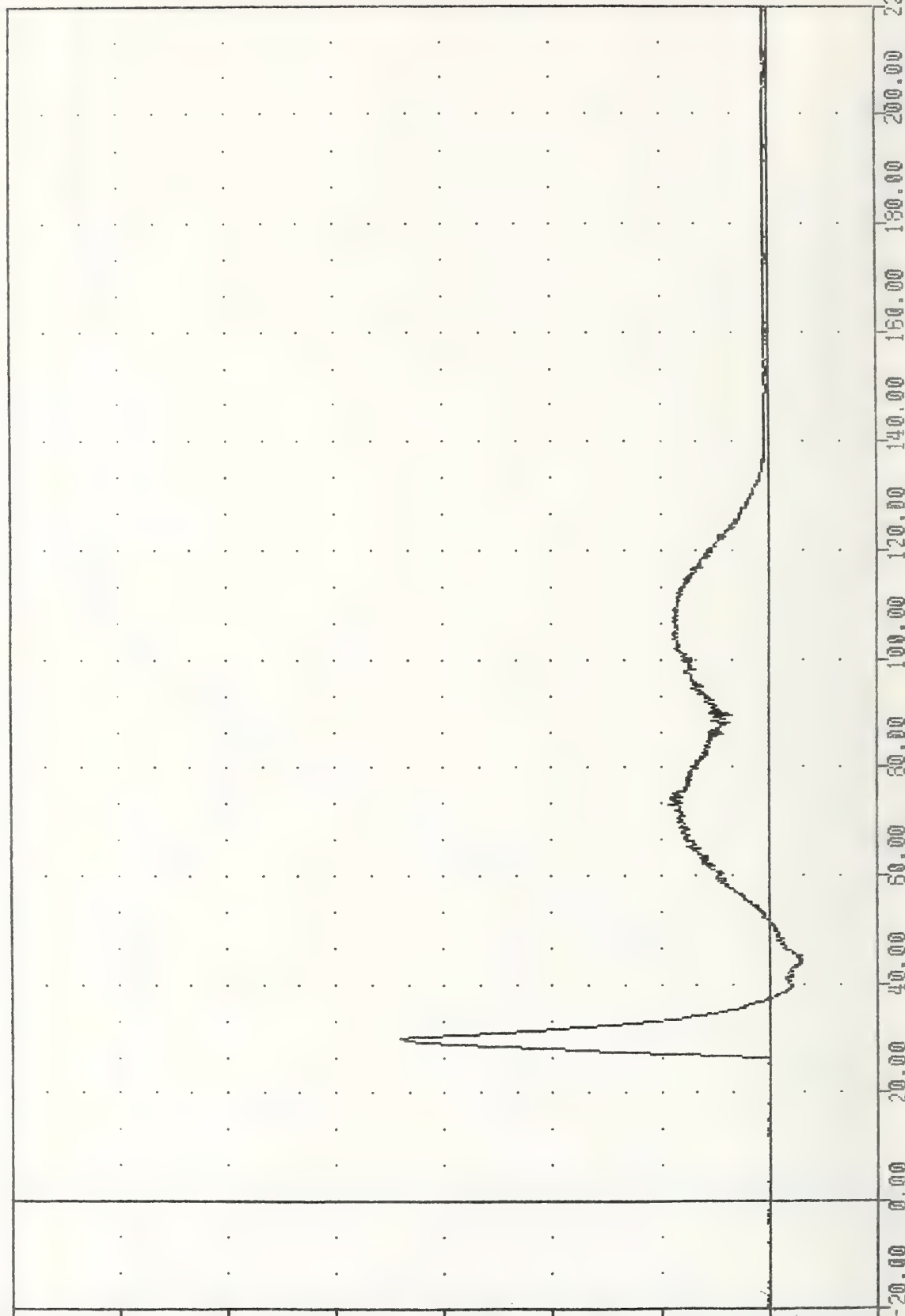
VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
ABTP

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -2.99e 44.13, 33.99 e , 30.00

348
PRESSURE (PSIG)



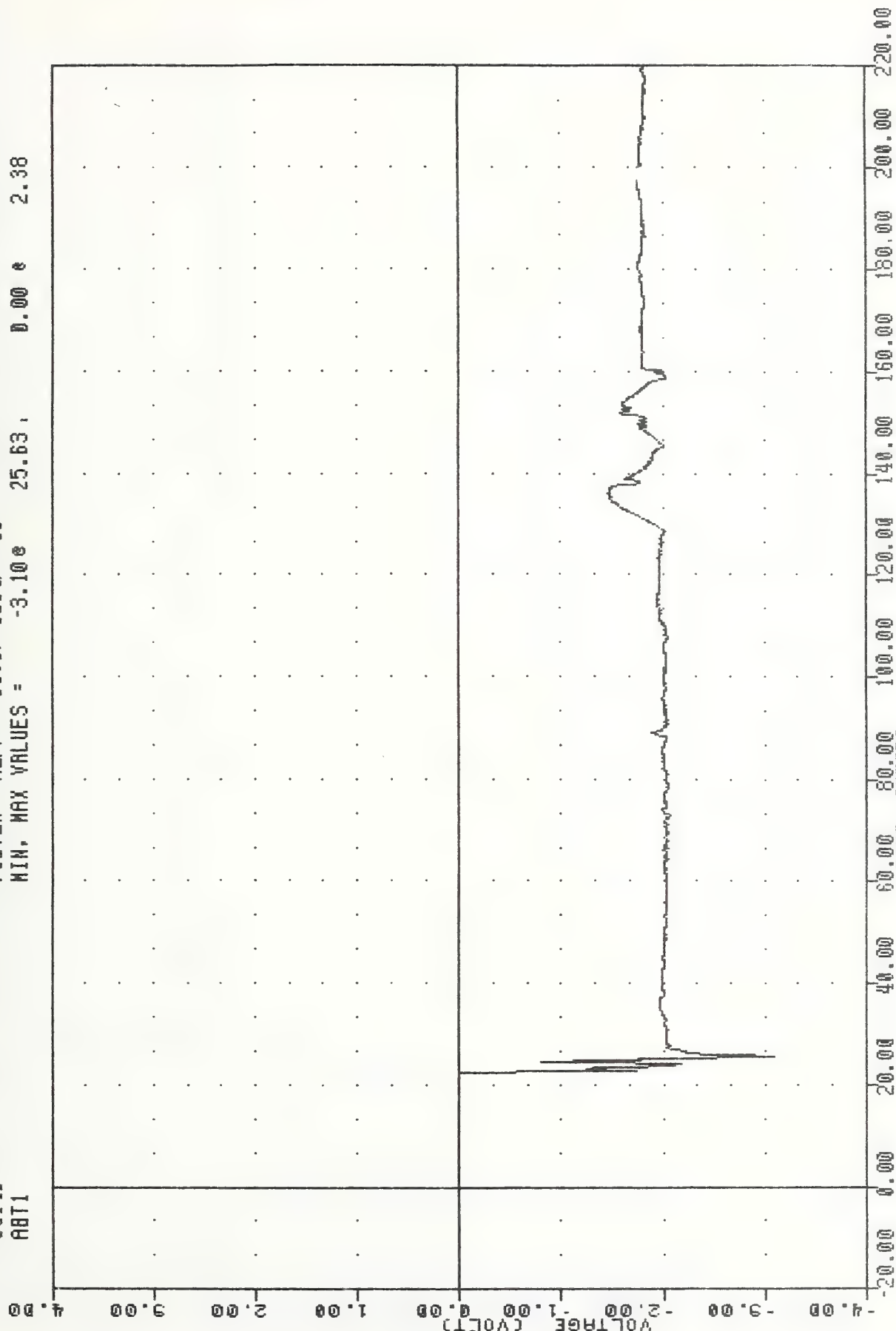
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
AIRBAG PRESSURE

VRAC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
ABT1

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.10e 25.63, 0.00 e 2.38



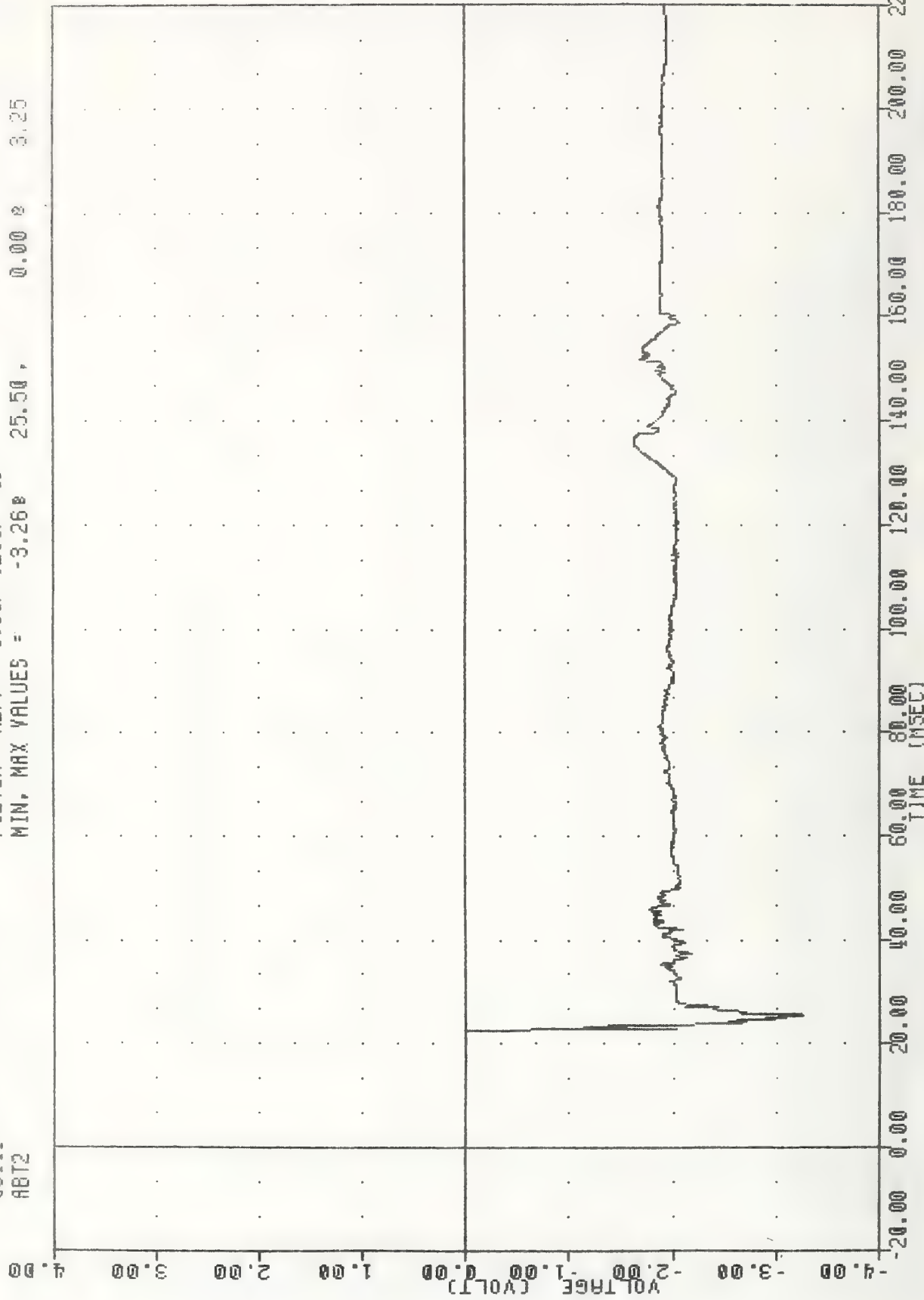
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 1

VRAC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85141
ABT2

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.26 25.50 0.00 3.25



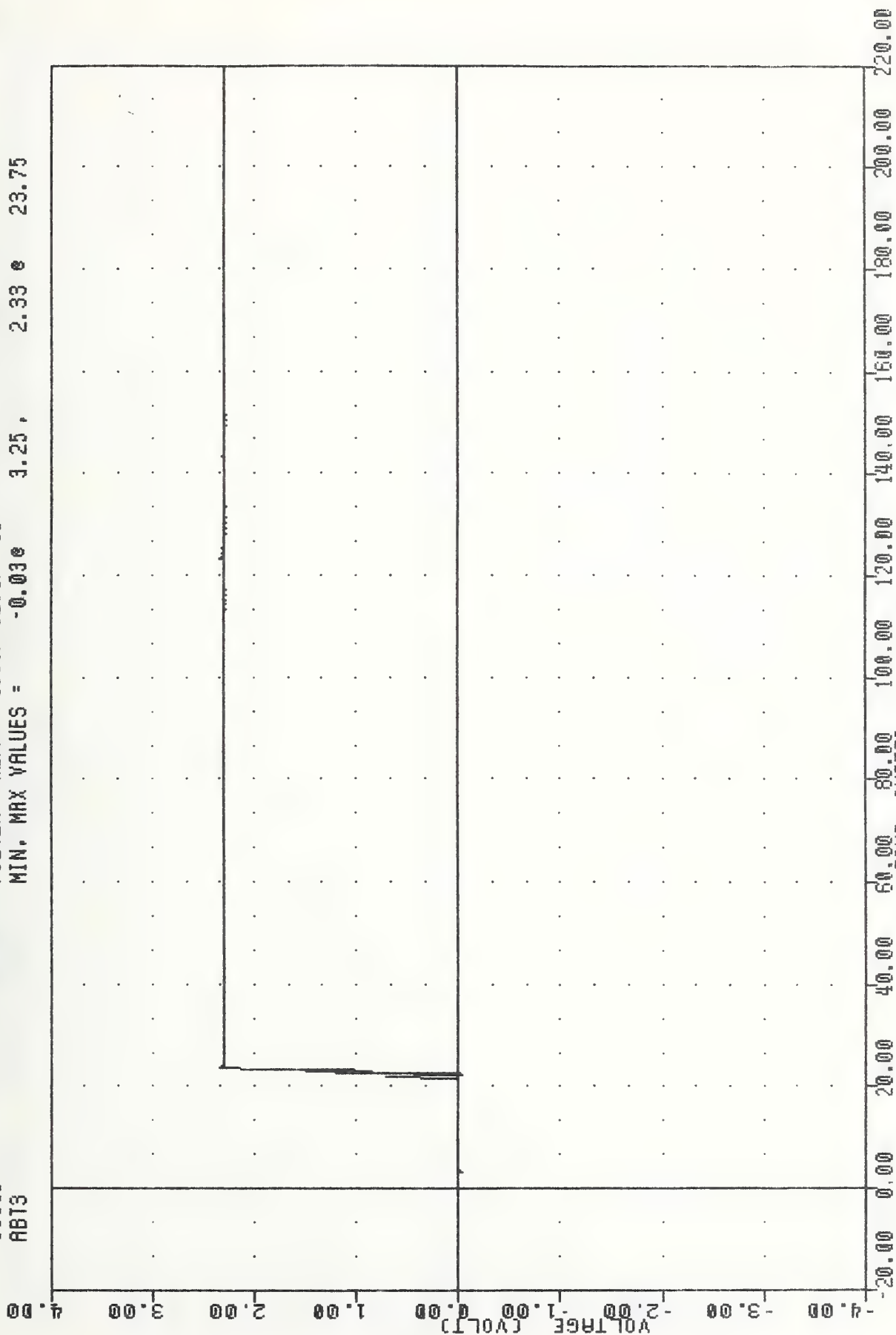
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 2

VRIC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 ABT3

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.03e 3.25, 2.33 e 23.75



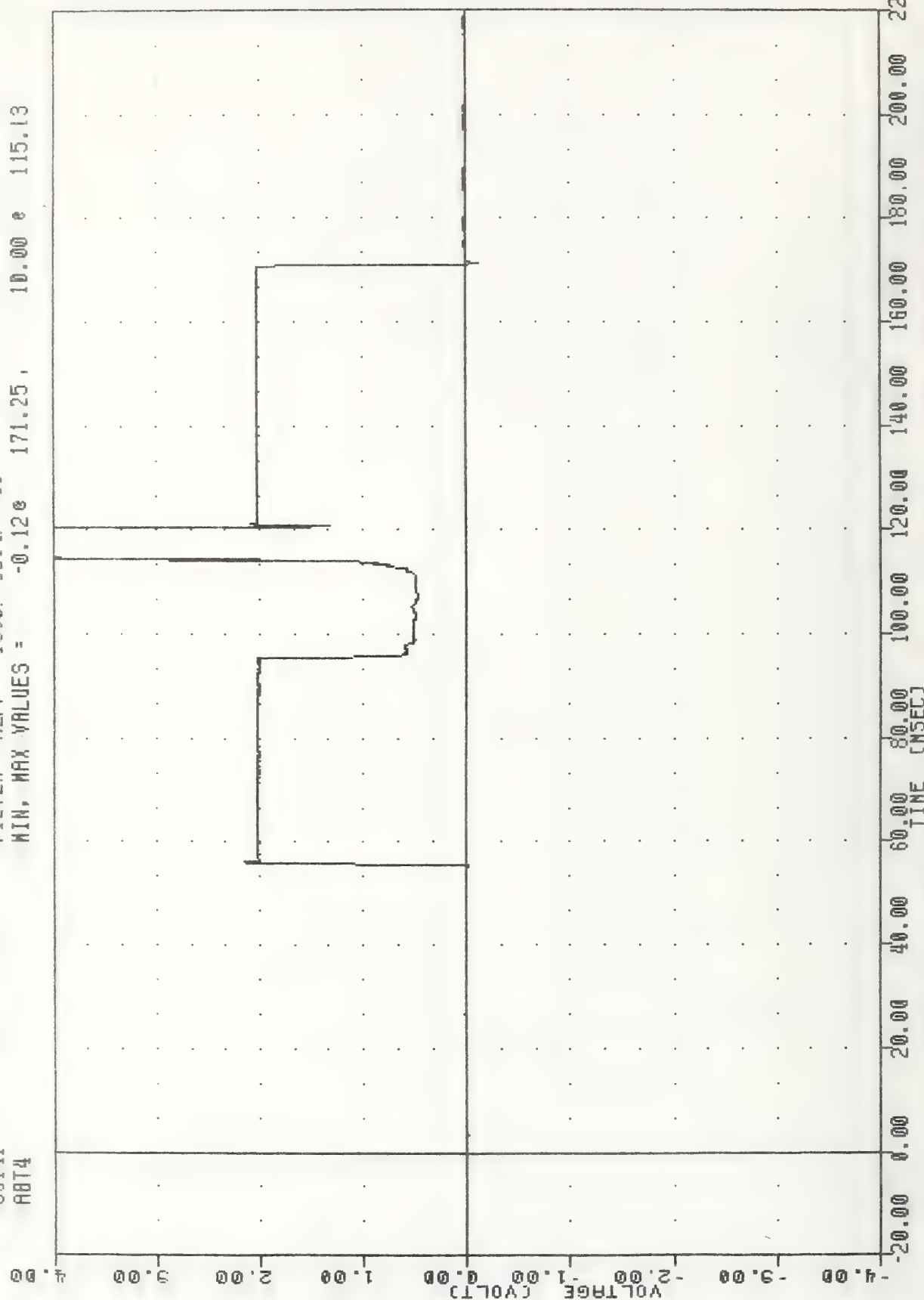
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 BREED B-PILLAR SENSOR

VRAC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
ABT4

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.12e 171.25, 10.00 e 115.13



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

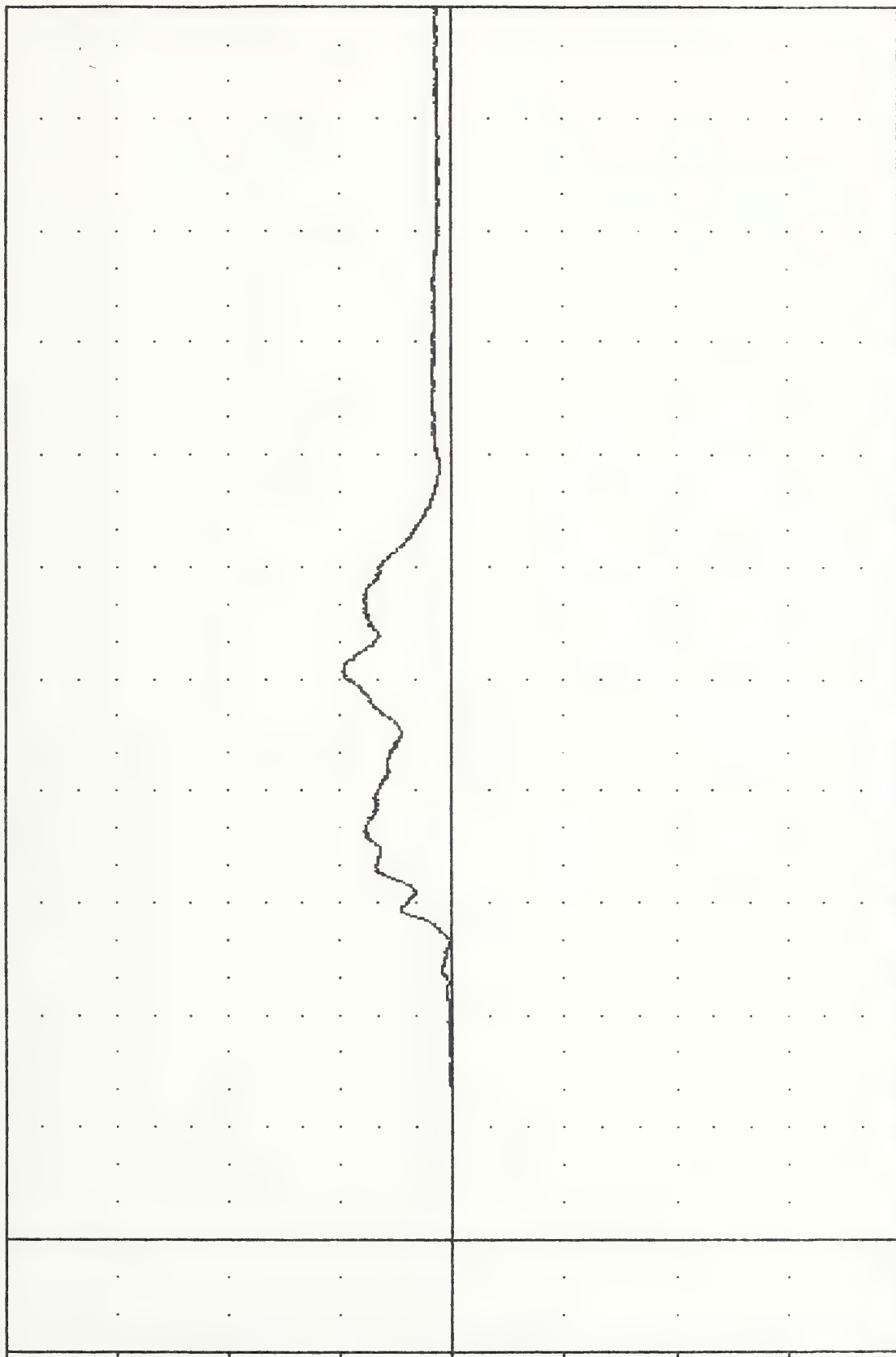
NRTC
BREED AIRBAG SLED PROGRAM
85141
HEDRG1

PLOT DATE 22-MAY-85 08:53:37

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.04g 7.75, 48.69 g 101.25

ACCELERATION (g)



353

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

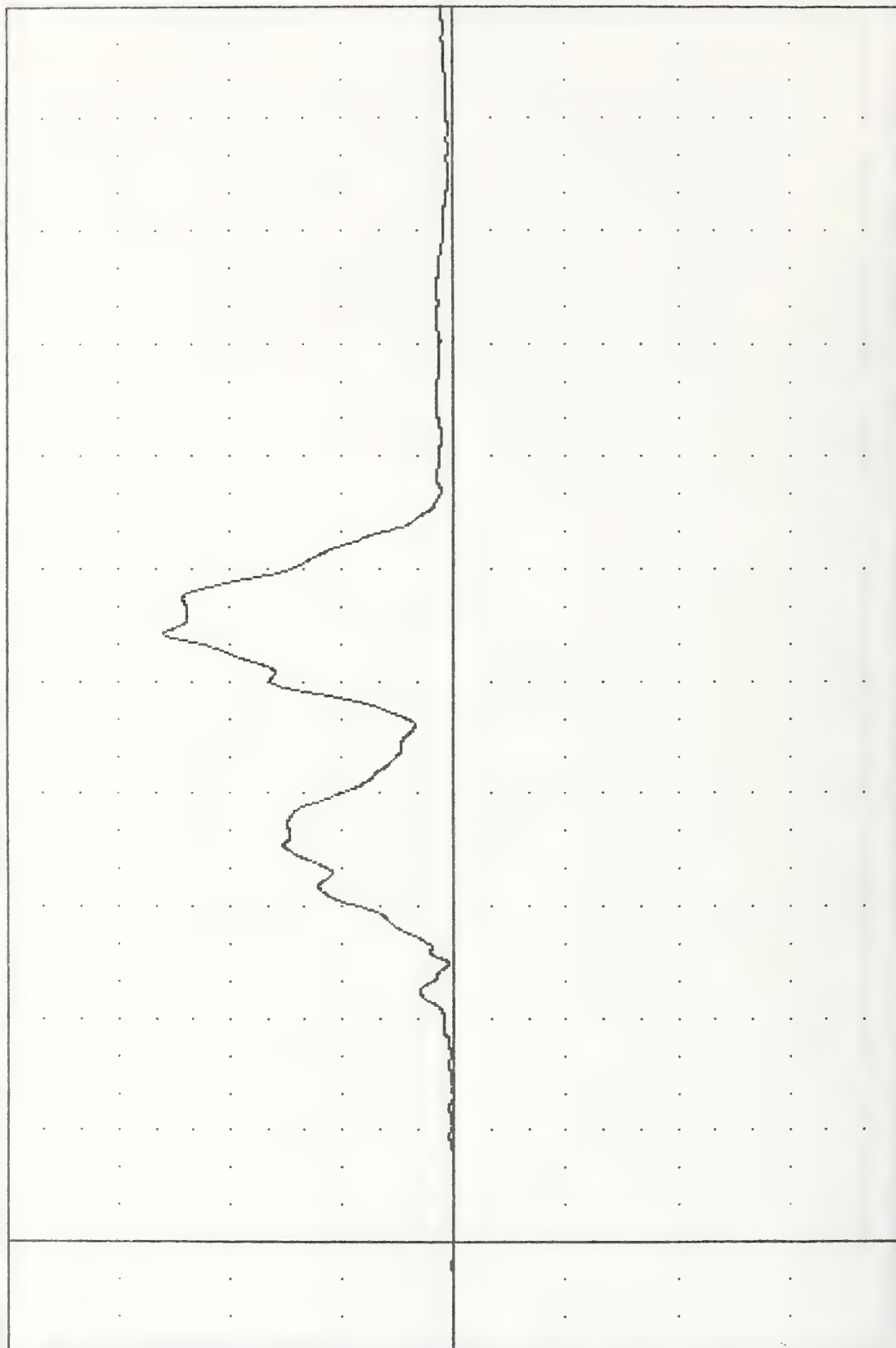
VRTC , RD384-4-36
BAEED AIRBAG SLED PROGRAM
85141
CSTRG1

PLOT DATE 22-MAY-85 08:53:37

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = 0.02e -1.50 , 64.78 e 108.38

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VRATC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
PEVR61

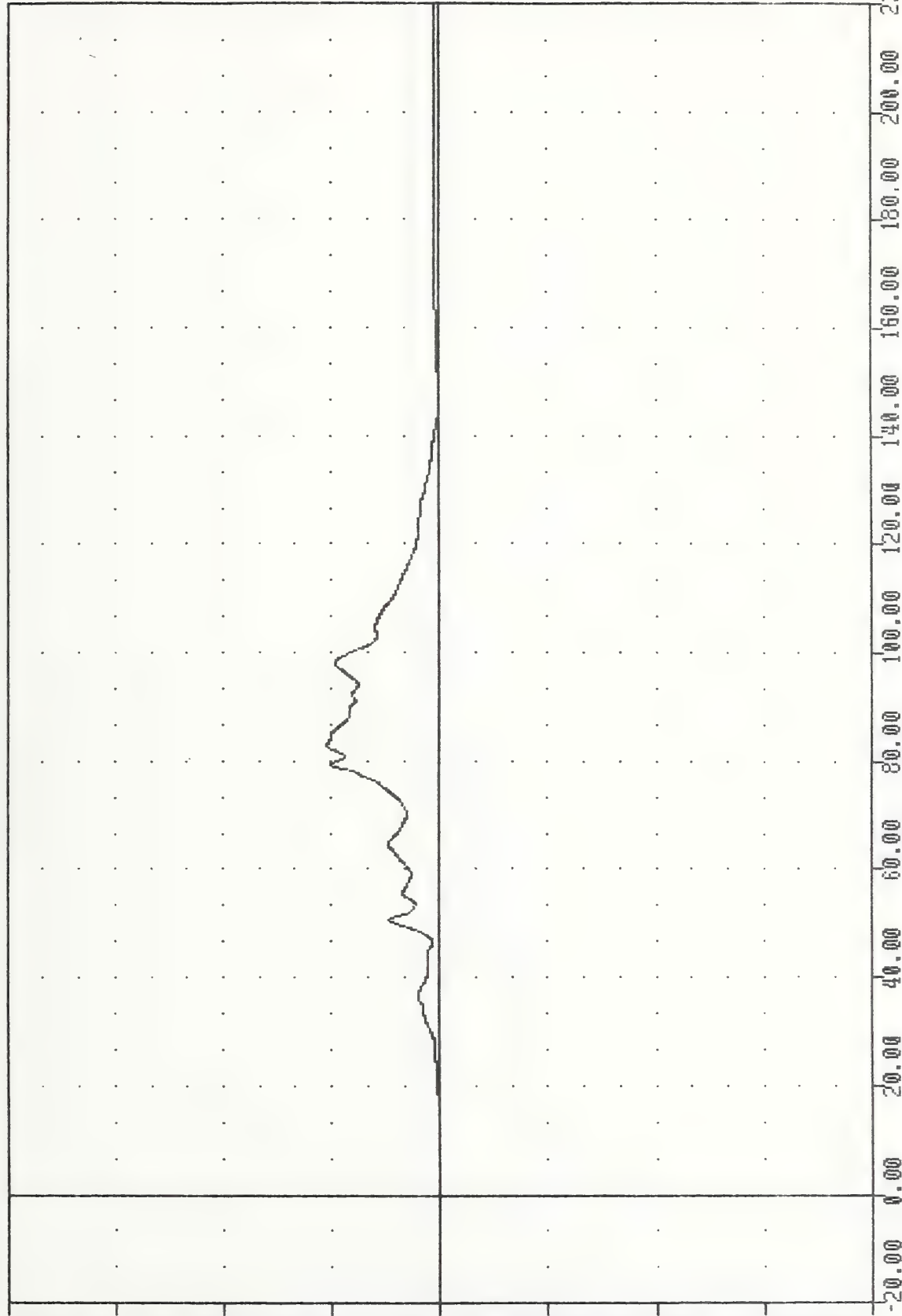
PLOT DATE 22-MAY-85 08:53:37

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.01e -11.00 , 52.21 e 82.88

ACCELERATION (G)

355



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

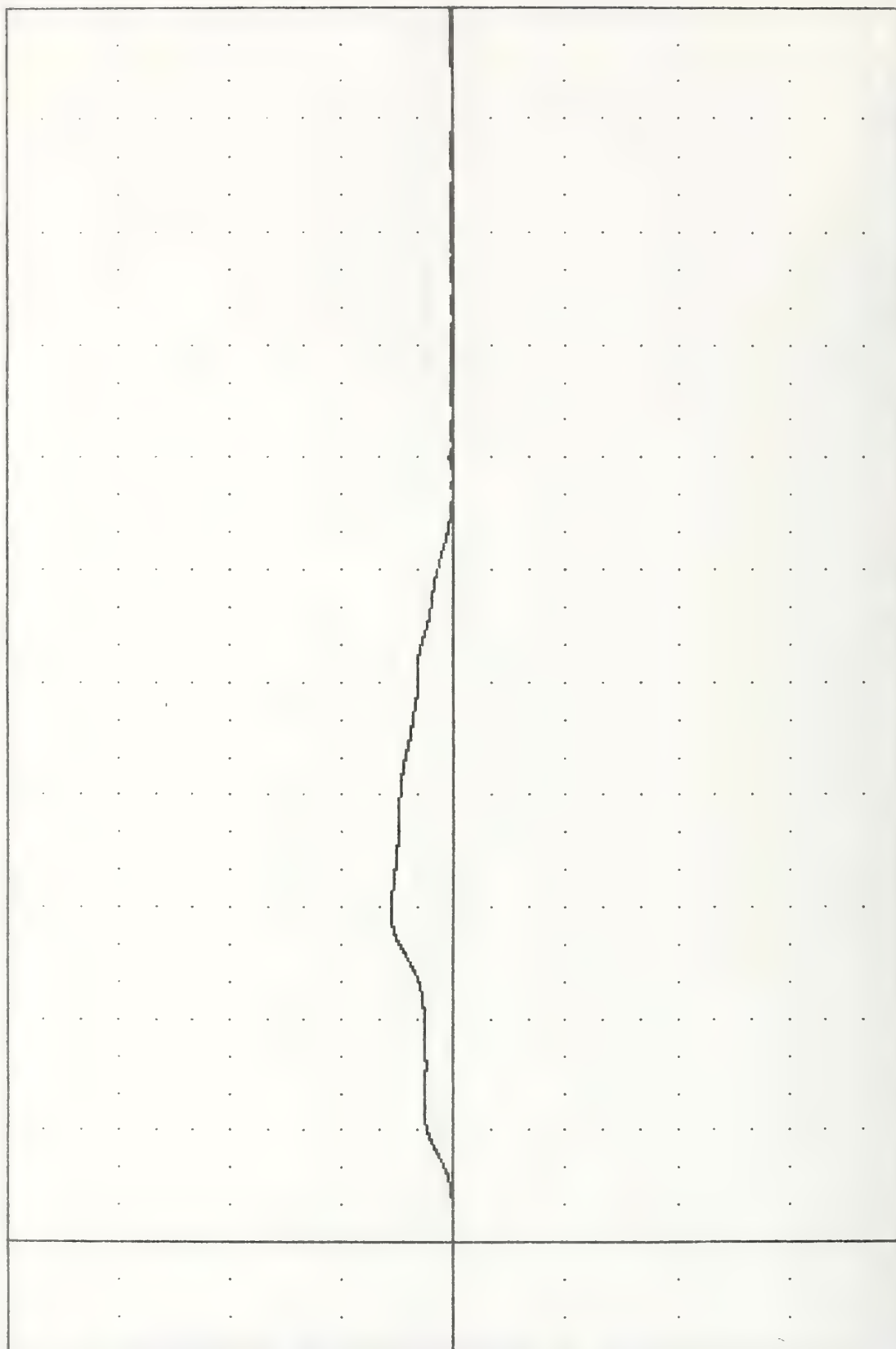
VRIC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
LPBAG

PLOT DATE 22-MAY-85 08:53:37

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.09e -8.13, 28.13e 59.63

ACCELERATION (G)



-200.00 150.00 100.00 50.00 0.00 50.00 100.00 150.00 200.00 220.00

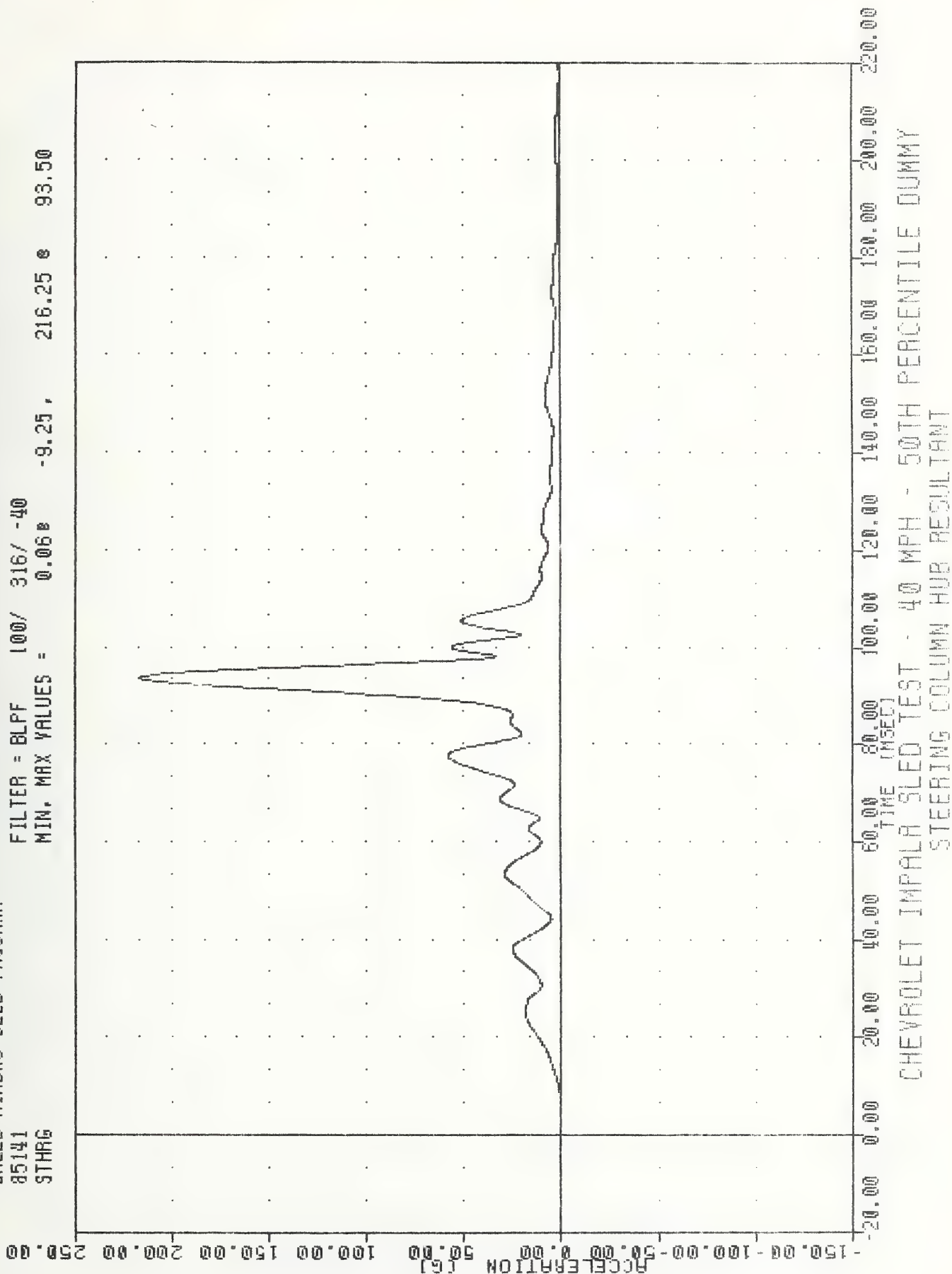
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VRTC , R0384-4-36
BREED AIRBAG SLED PROGRAM
85141
STHRG

PLOT DATE 11-JUN-85 12:37:45

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.068 -9.25, 216.25 93.50

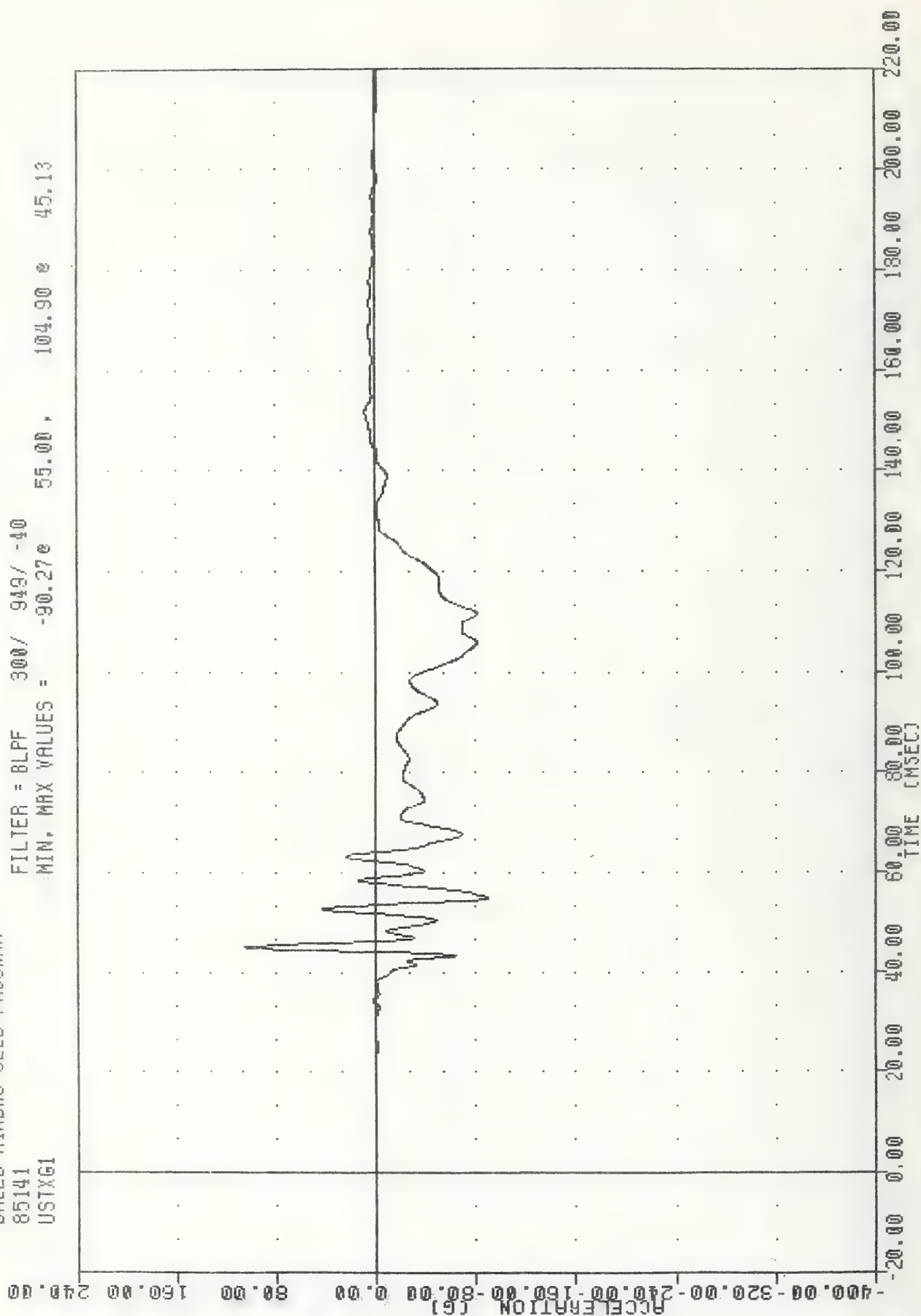


VRTC , RD384-4-36
BREED RIABAG SLED PROGRAM
85141
USTXG1

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -90.27e 55.00, 104.90 e 45.13



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

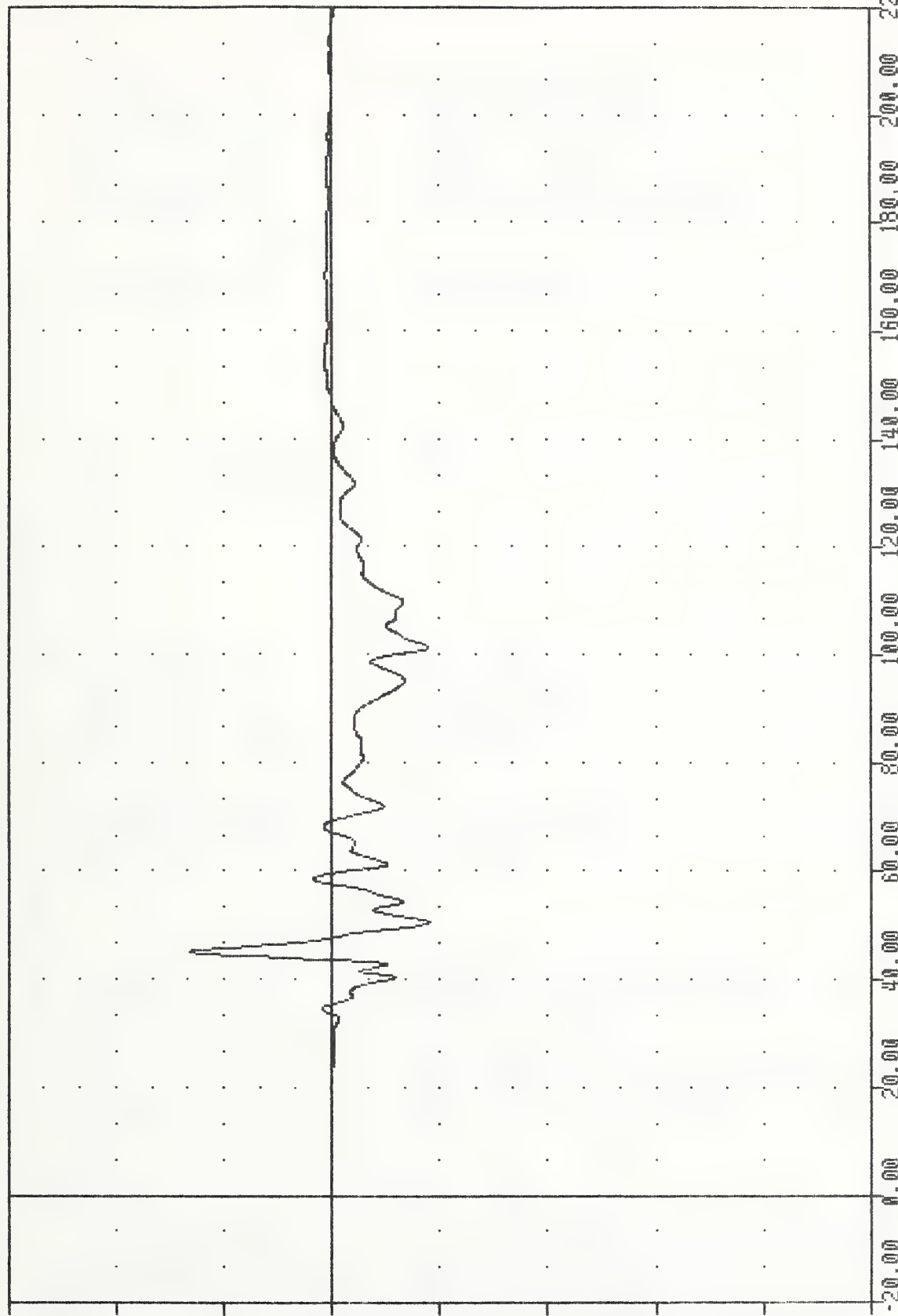
WATC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
LSTX61

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -72.048 50.50, 105.35 45.00

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

TRC444P. RAD; 1

RD384-4-37 BREED AIRBAG SLED PROGRAM

22-MAY-85 14:37

VRTC

40.00 mph

85142

1	EVENT	Min value		Max value		Data Units		Filter	
2	SLDXV	0.046 @	0.250	1.618 @	-18.875 msec	volt		ALPF	1650/ 5214/ -40
3	SLDXV	-43.148 @	126.875	0.117 @	-9.625 msec	mph		ALPF	100/ 316/ -40
4	SLDXV	-28.337 @	56.500	1.025 @	133.500 msec	g		BLPF	100/ 316/ -40
5	HEDXG1	-48.432 @	112.875	2.659 @	216.375 msec	g		ALPF	1650/ 5214/ -40
6	HEDXG1	-1.201 @	165.375	11.105 @	115.375 msec	g		ALPF	1650/ 5214/ -40
7	HEDXG1	-5.103 @	57.125	17.768 @	120.500 msec	g		ALPF	1650/ 5214/ -40
8	CSTXG1	-52.383 @	108.625	2.957 @	144.250 msec	g		BLPF	300/ 949/ -40
9	CSTXG1	-1.538 @	116.500	7.536 @	93.750 msec	g		BLPF	300/ 949/ -40
10	CSTXG1	-1.082 @	51.625	6.985 @	111.875 msec	g		BLPF	300/ 949/ -40
11	USTXG1	-116.038 @	56.500	84.933 @	45.125 msec	g		BLPF	300/ 949/ -40
12	PEUXG1	-60.764 @	40.000	61.402 @	45.375 msec	g		BLPF	300/ 949/ -40
13	PEUXG1	-52.730 @	81.375	2.484 @	207.500 msec	g		BLPF	300/ 949/ -40
14	PEUXG1	-3.945 @	76.125	3.441 @	89.125 msec	g		BLPF	300/ 949/ -40
15	LFMF1	-28.607 @	89.500	0.983 @	177.625 msec	g		BLPF	300/ 949/ -40
16	RFMF1	-788.432 @	57.500	100.410 @	208.000 msec	lb		BLPF	1000/ 3162/ -40
17	STHPG	-509.019 @	80.125	103.160 @	217.375 msec	lb		BLPF	1000/ 3162/ -40
18	STHUG	-185.114 @	92.500	44.176 @	74.625 msec	g		BLPF	100/ 316/ -40
19	STHUG	-14.009 @	106.625	32.207 @	99.625 msec	g		BLPF	100/ 316/ -40
20	LPBXG	-20.060 @	75.875	61.690 @	94.125 msec	g		BLPF	100/ 316/ -40
21	LPBXG	-28.011 @	60.125	1.362 @	153.875 msec	g		BLPF	100/ 316/ -40
22	LPBZG	-1.678 @	116.250	2.719 @	35.000 msec	g		BLPF	100/ 316/ -40
23	LBDF1	-1.095 @	187.250	1.580 @	90.125 msec	g		BLPF	100/ 316/ -40
24	ABTP	-0.149 @	15.250	1514.260 @	85.000 msec	lb		BLPF	100/ 316/ -40
25	ABT1	-3.110 @	43.875	35.037 @	31.625 msec	psig		ALPF	1650/ 5214/ -40
26	ABT2	-9.999 @	87.875	1.615 @	85.375 msec	volt		ALPF	1650/ 5214/ -40
27	ABT3	-2.773 @	26.875	0.002 @	-19.375 msec	volt		ALPF	1650/ 5214/ -40
28	ABT4	-0.040 @	23.500	2.352 @	24.250 msec	volt		ALPF	1650/ 5214/ -40
		-3.325 @	180.375	9.996 @	93.250 msec	volt		ALPF	1650/ 5214/ -40

360

TRC444P. RAD; 1

RD384-4-37 BREED AIRBAG SLED PROGRAM

22-MAY-85 14:37

VRTC

40.00 mph

85142

1	EVENT	Min value		Max value		Data Units		Filter	
2	HEDXD1	-54.166 @	191.375	0.899 @	48.875 msec	mph		BLPF	300/ 949/ -40
3	CSTXV1	-75.521 @	220.000	0.492 @	59.875 msec	in		BLPF	300/ 949/ -40
4	CSTXV1	-52.305 @	138.000	0.141 @	-15.625 msec	mph		BLPF	300/ 949/ -40
5	PEVXD1	-79.228 @	220.000	0.132 @	32.750 msec	in		BLPF	300/ 949/ -40
6	PEVXD1	-39.676 @	150.375	0.037 @	-8.000 msec	mph		BLPF	300/ 949/ -40
7	PEVXD1	-67.341 @	220.000	0.029 @	10.250 msec	in		BLPF	300/ 949/ -40
8	SLDXV1	-42.989 @	127.375	0.015 @	-17.875 msec	mph		BLPF	300/ 949/ -40
9	SLDXV1	-79.596 @	220.000	0.009 @	-8.125 msec	in		BLPF	300/ 949/ -40
10	STHPV	-38.507 @	132.125	0.003 @	-17.625 msec	mph		BLPF	300/ 949/ -40
11	STHPD	-65.749 @	220.000	-0.005 @	-14.125 msec	in		BLPF	300/ 949/ -40
12	LPBXV	-42.262 @	129.875	-0.037 @	-12.375 msec	mph		BLPF	300/ 949/ -40
	LPBXV	-77.255 @	220.000	-0.020 @	-20.000 msec	in		BLPF	300/ 949/ -40

TRC444P. RAD; 1

RD384-4-37 BREED AIRBAG SLED PROGRAM

22-MAY-85 14:37

VRTC

40.00 mph

85142

1	EVENT	Min value		Max value		Data Units		Filter	
2	CSTRG1	0.016 @	-12.000	50.630 @	114.750 msec	g		ALPF	1650/ 5214/ -40
3	PEVRG1	0.011 @	-5.750	52.834 @	108.625 msec	g		BLPF	300/ 949/ -40
4	STHRG	0.103 @	5.875	58.420 @	81.500 msec	g		BLPF	300/ 949/ -40
	LPBRG	0.111 @	-16.750	193.161 @	92.625 msec	g		BLPF	100/ 316/ -40
		0.016 @	-9.500	28.028 @	60.125 msec	g		BLPF	100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC444RP.RAD:1
VRTC RD384-4-37 BREED AIRBAG SLED PROGRAM
85142 40.00 mph

*** HIC computation for HEDRG1 22-MAY-85 14:38
Using time range = 0.000 to 151.250 msec Peak accel = 50.63 @ 114.750
HIC = 452.52 Interval from 58.375 [628] to 128.375 [1188]
HIC = 234.24 Interval from 104.250 [995] to 119.250 [1115]

R SYSP:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC444RP

File TRC444RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, DeltaX = 0.125000
VRTC RD384-4-37 BREED AIRBAG SLED PROGRAM 40.00 mph
HEDRG1 CSTRG1 FEVRG1 STHRG LPERG

Enter channel name -> CSTRG1

[SLED.BREED]TRC444RP.RAD:1 VRTC RD384-4-37
BREED AIRBAG SLED PROGRAM 40.0 mph 85142 22-MAY-85 14:39:05
DeltaX: 0.125

3 MS CLIP PEAK: 50.80042

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak

Enter channel name -> ^Z

Enter input filespec -> ^Z
\$

VRTC , R0384-4-37
BREED AIRBAG SLED PROGRAM
85142
EVENT

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.058 0.25, 1.62 e -18.88

4.00

3.00

2.00

1.00

0.00

362

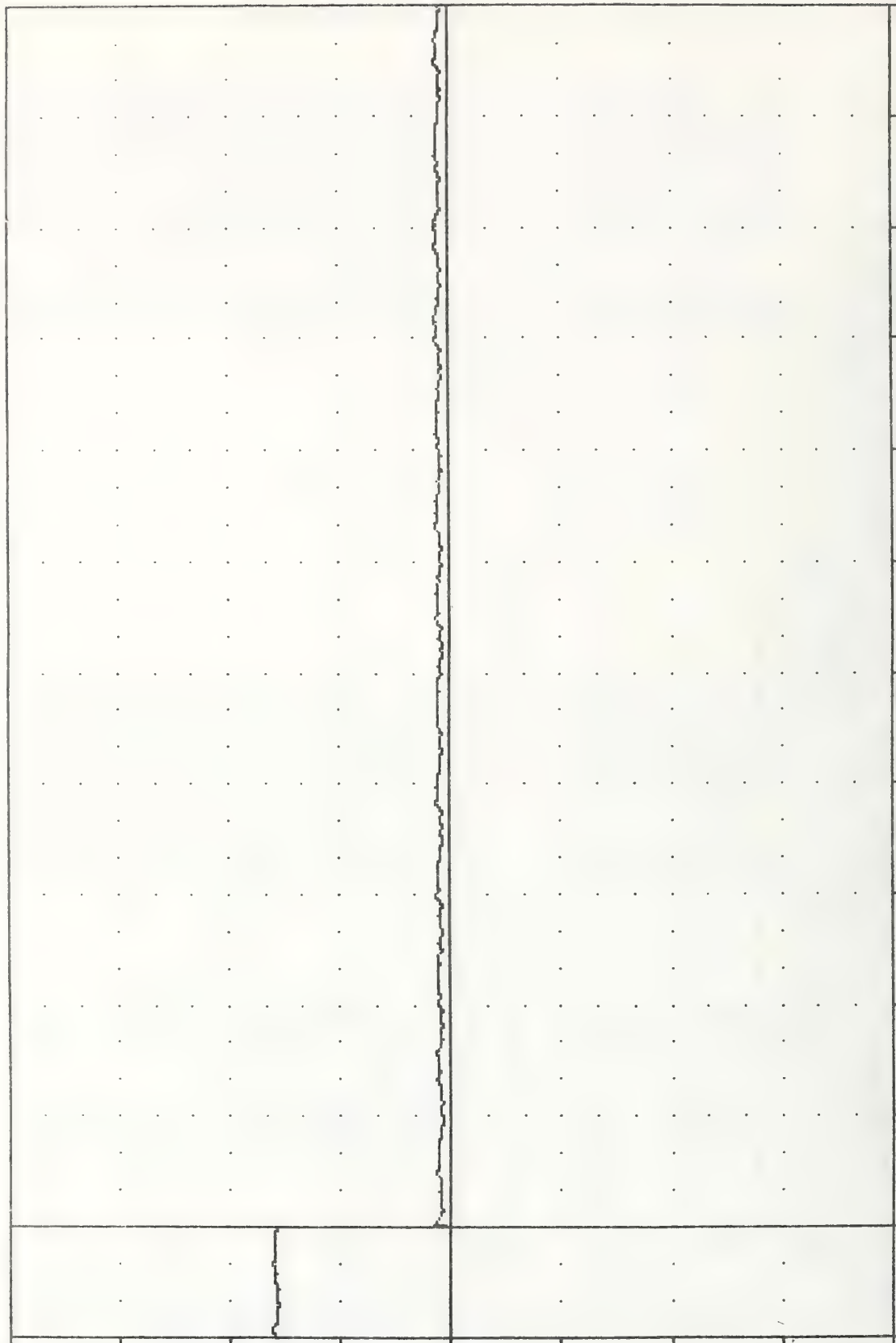
VOLTAGE (VOL)

-1.00

-2.00

-3.00

-4.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (MSEC)

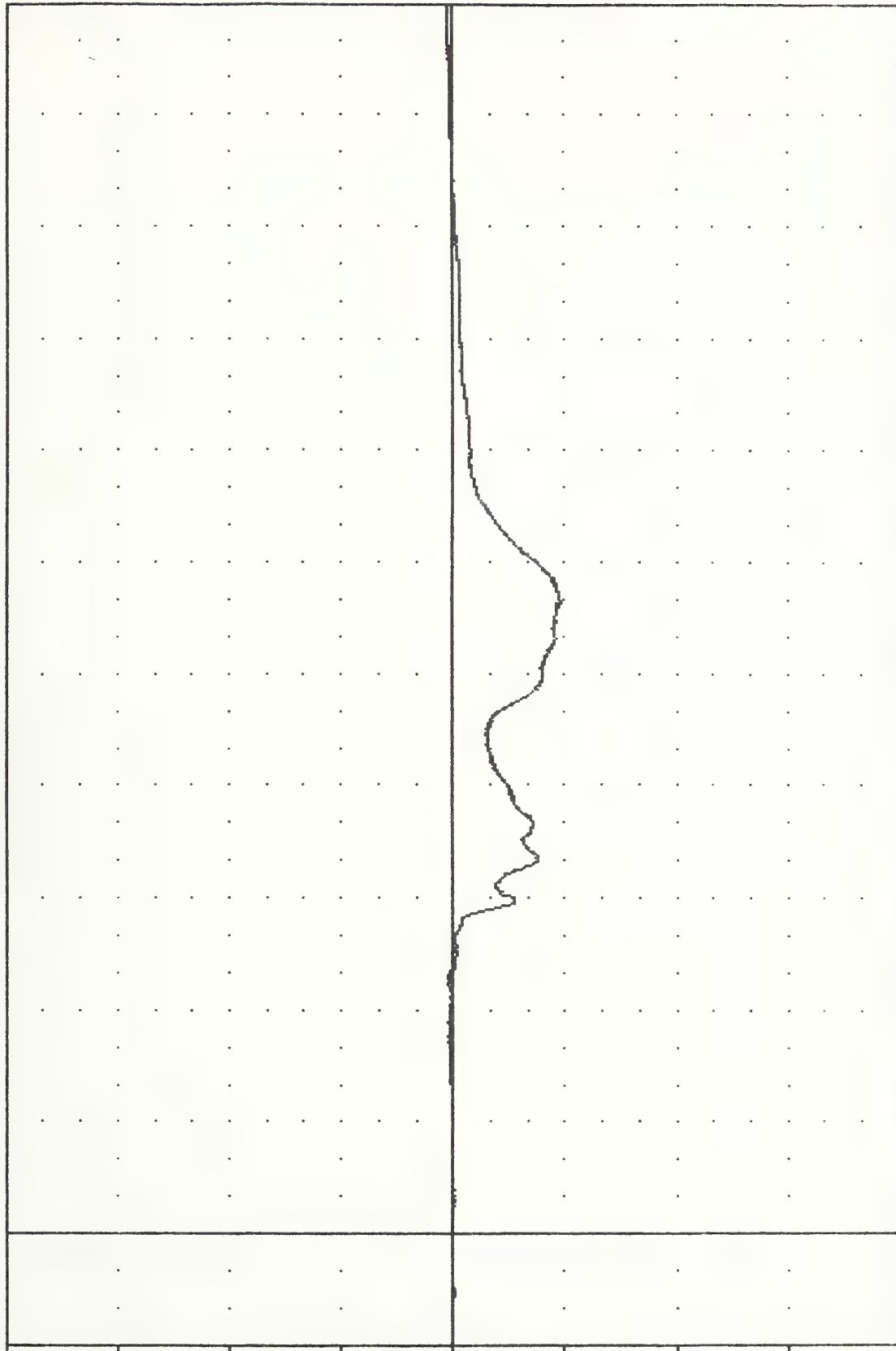
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
EVENT

VRIC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
HEDXG1

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -48.43e 112.88 , 2.66 e 216.38

ACCELERATION (G)



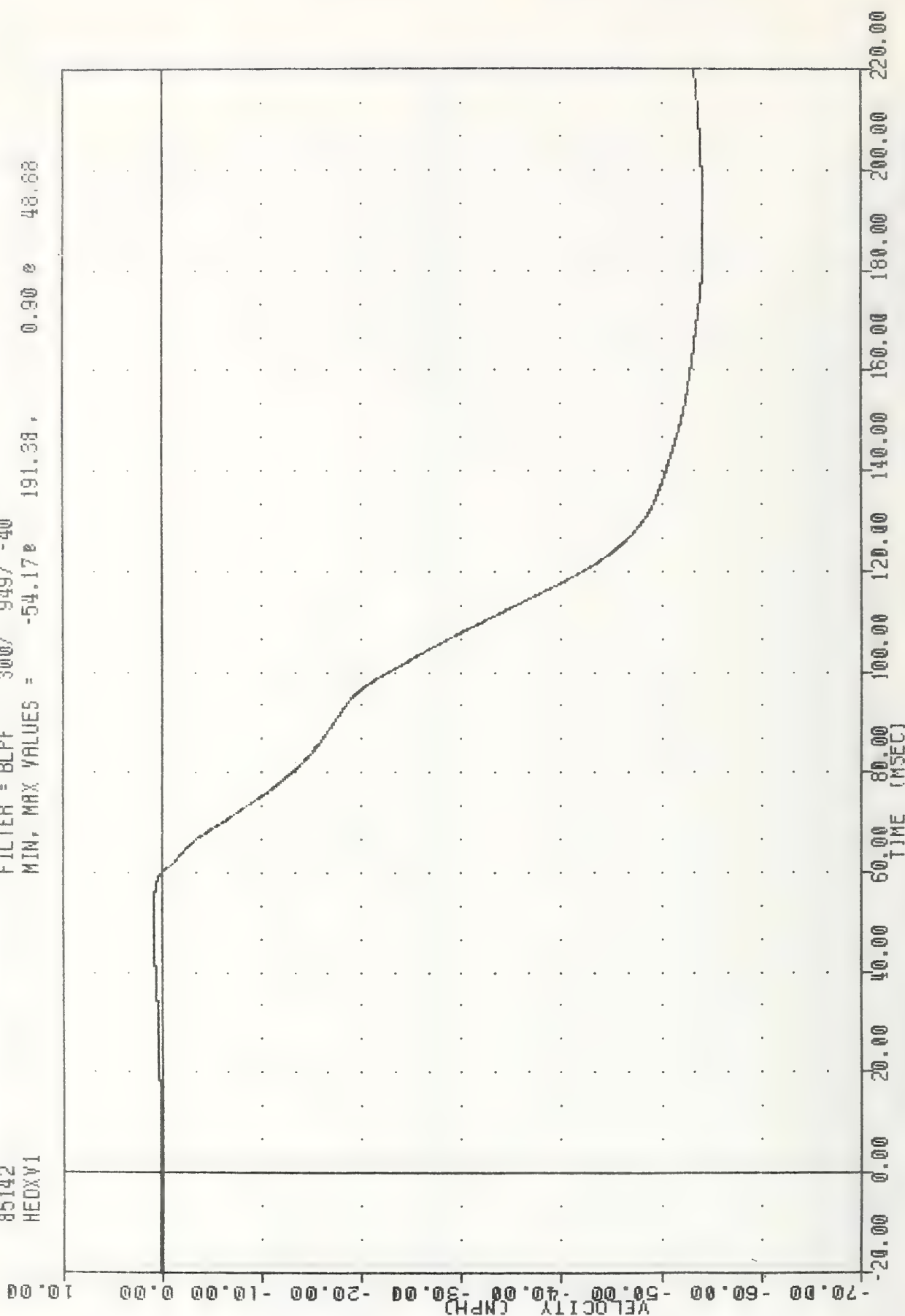
363

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85142
HEOXY1

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -54.17e 191.38, 0.90 e 48.68



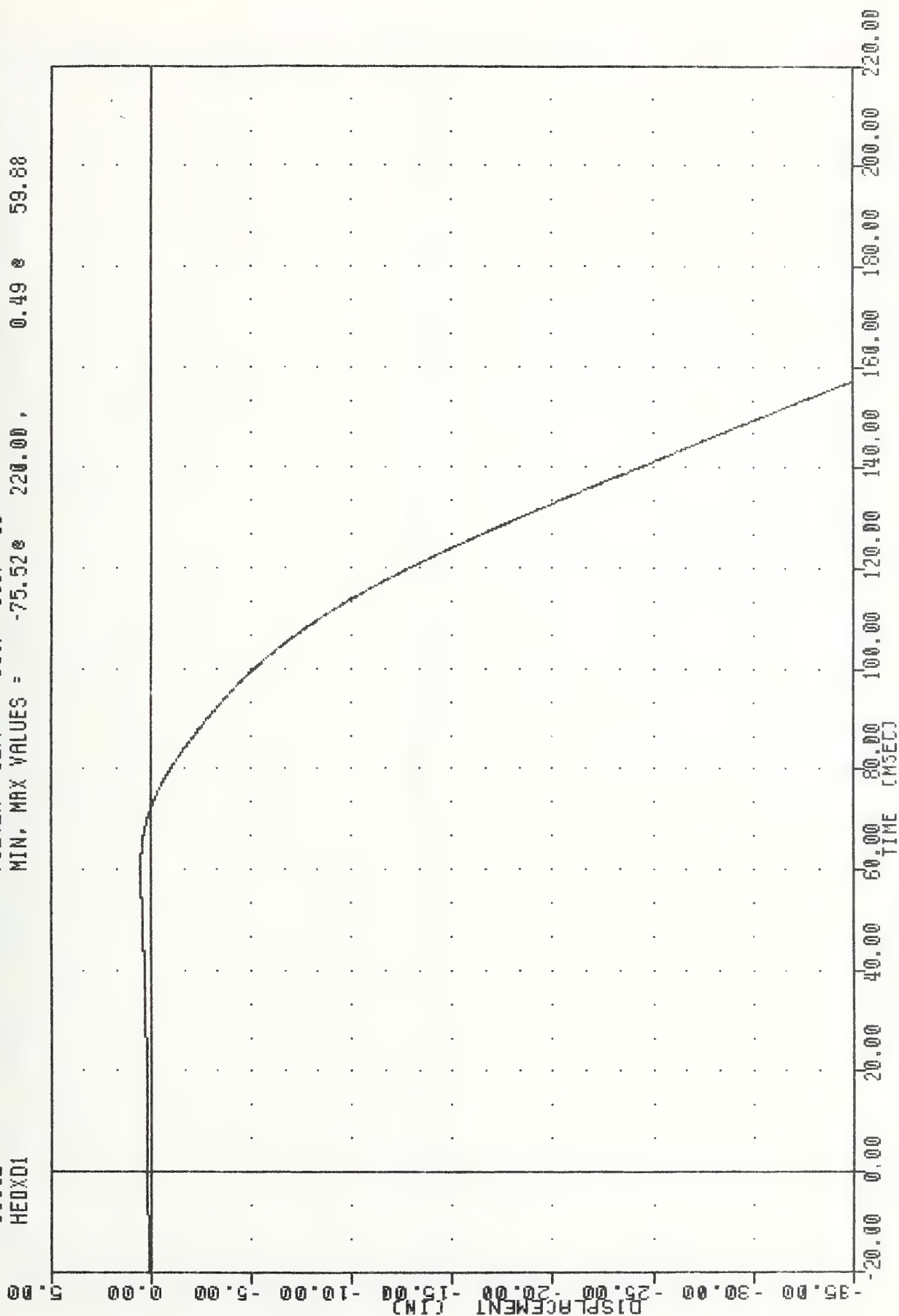
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEOXG1

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
HEDXD1

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -75.52e 220.00, 0.49 e 59.88



365

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

DELTA X USING HEDXV1

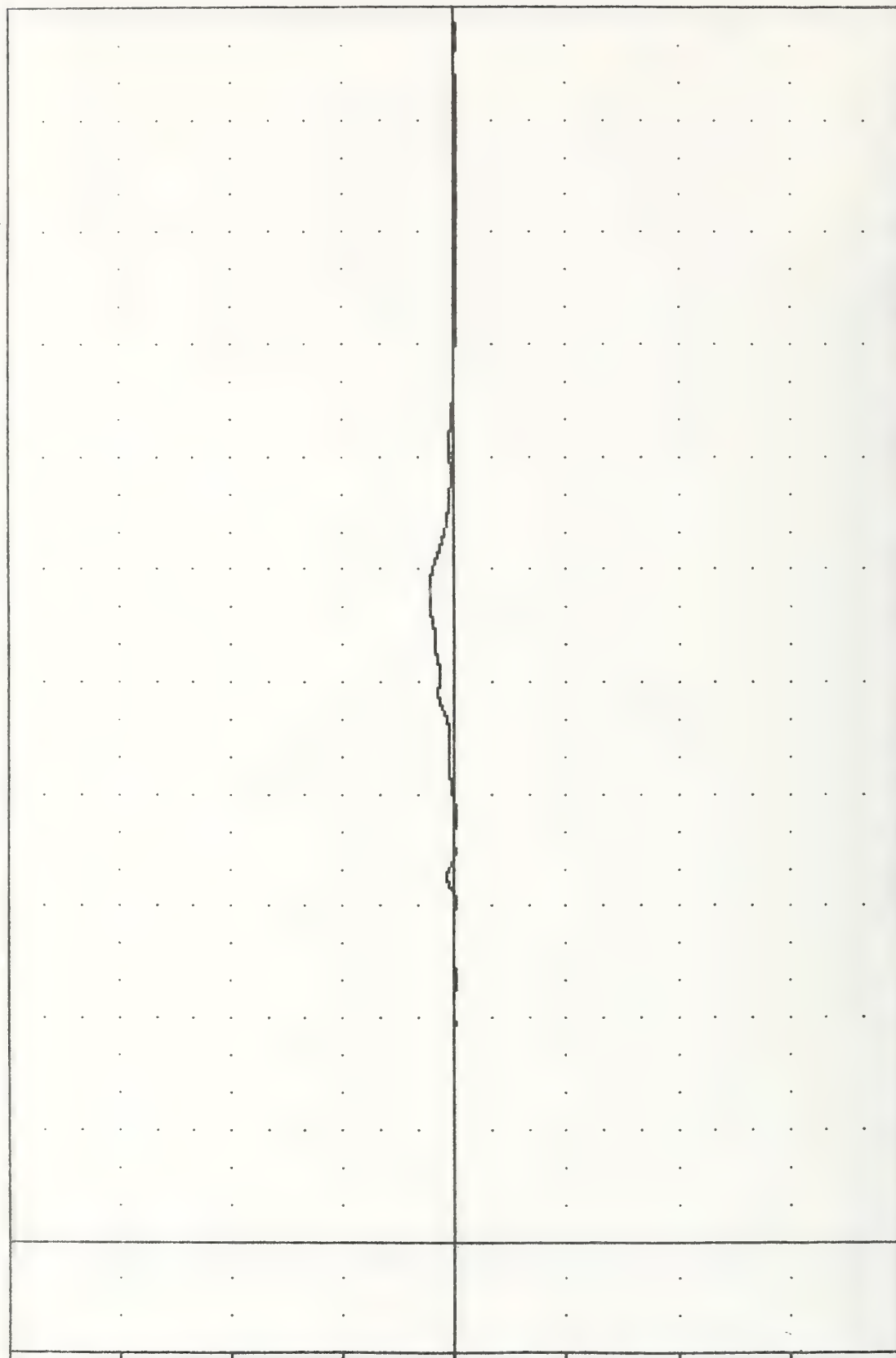
VRTC
 BREED AIRBAG SLED PROGRAM
 85142
 HEDY61

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -1.20e 165.38, 11.11 e 115.38

ACCELERATION [G]



-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00 220.00

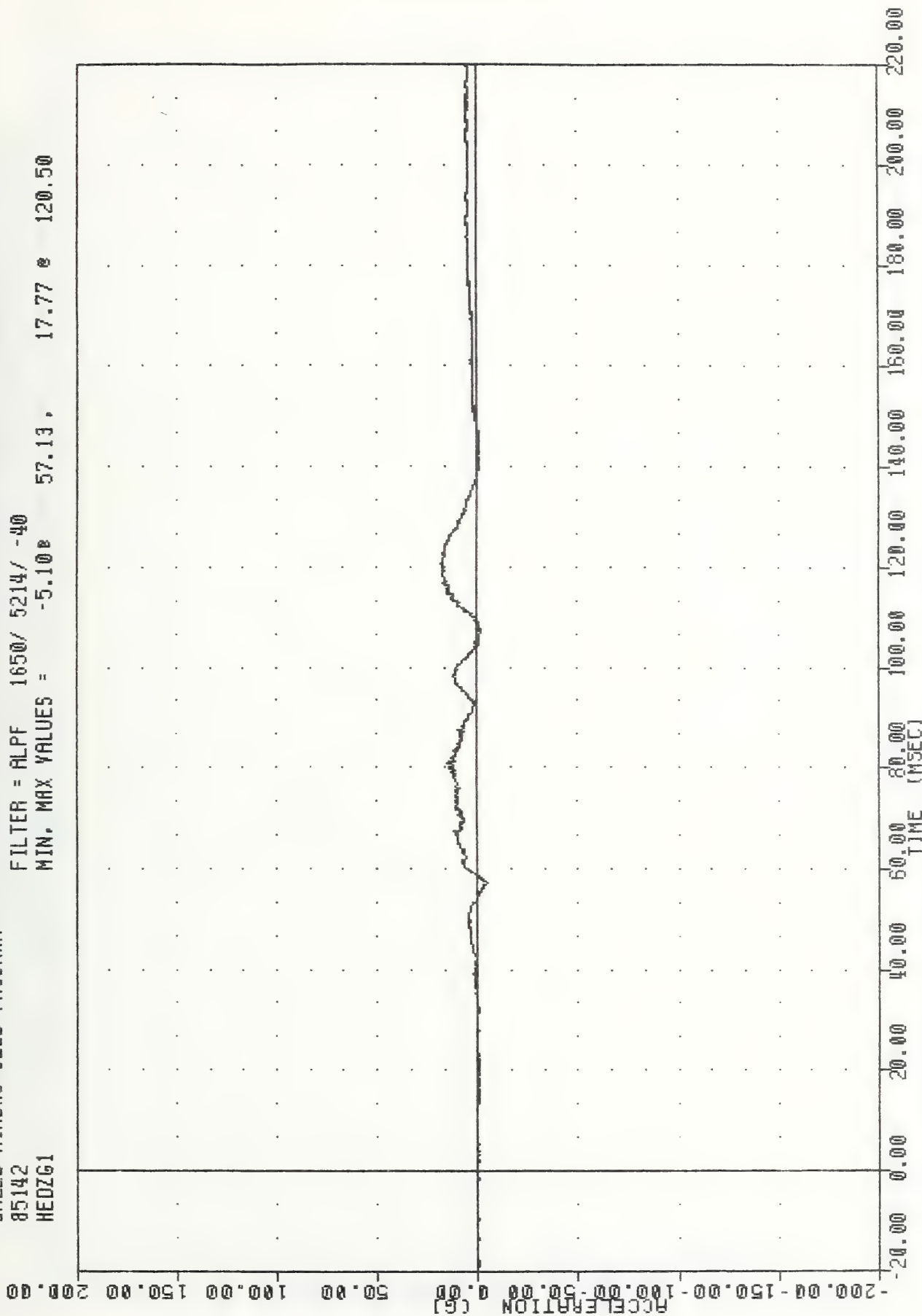
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
HEDZG1

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -5.10e 57.13, 17.77 e 120.50



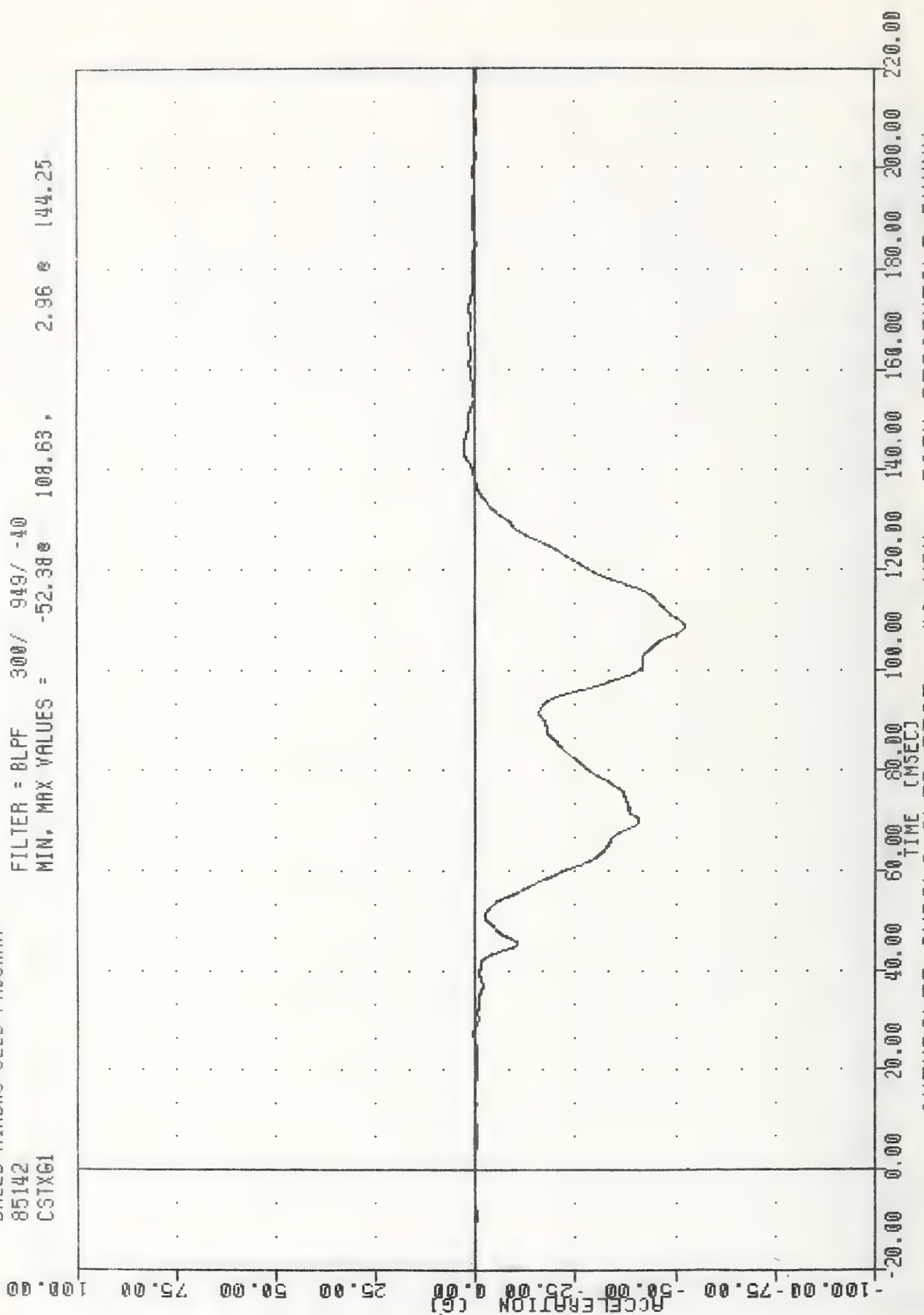
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
CSIXG1

PLOT DATE 23-MAY-85 08:34:13

FILTER = 8LPF 300/ 949/ -40

MIN. MAX VALUES = -52.380 108.63, 2.96 @ 144.25



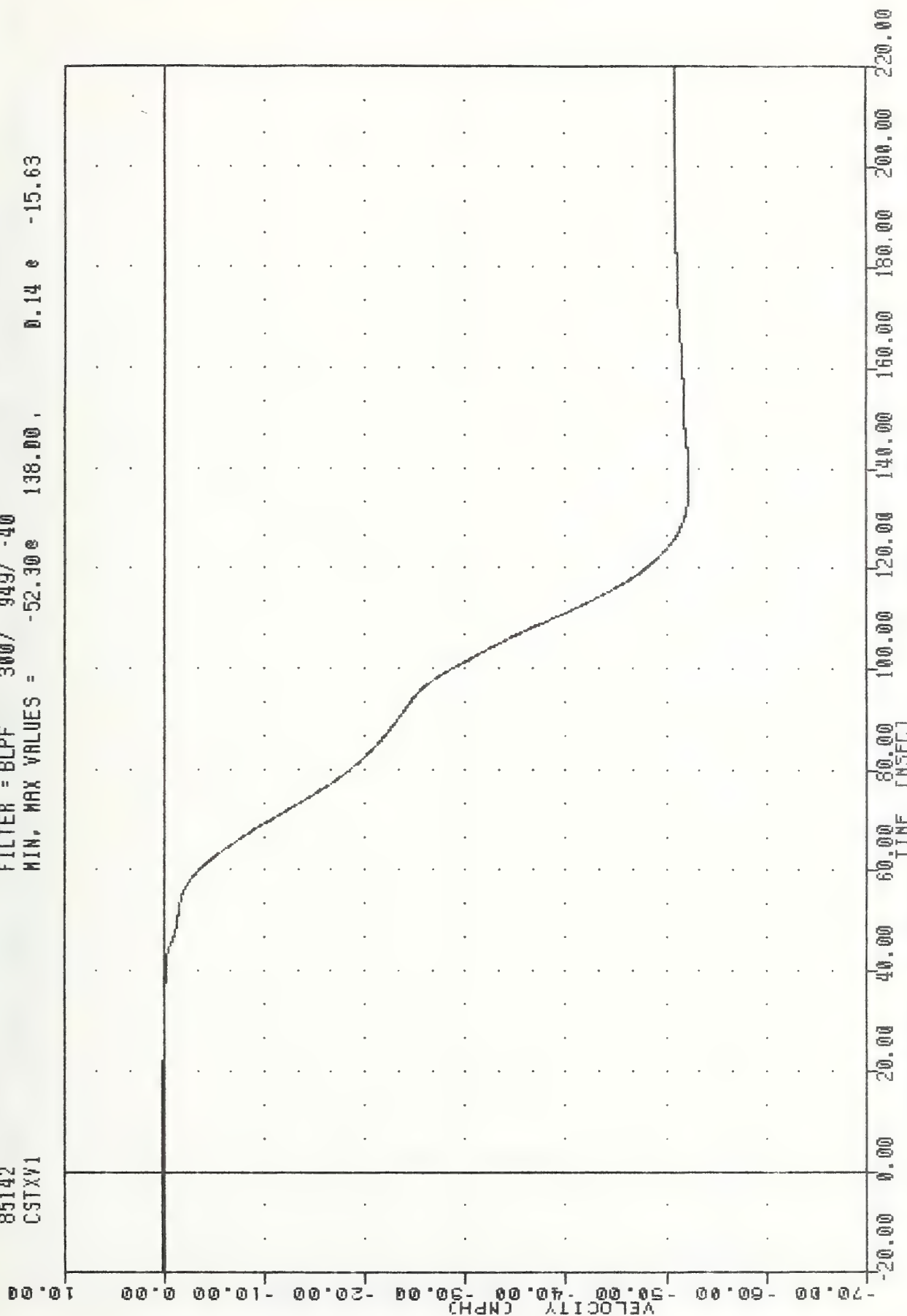
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VRTC RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 CSTXV1

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -52.30e 138.00, 0.14 e -15.63



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

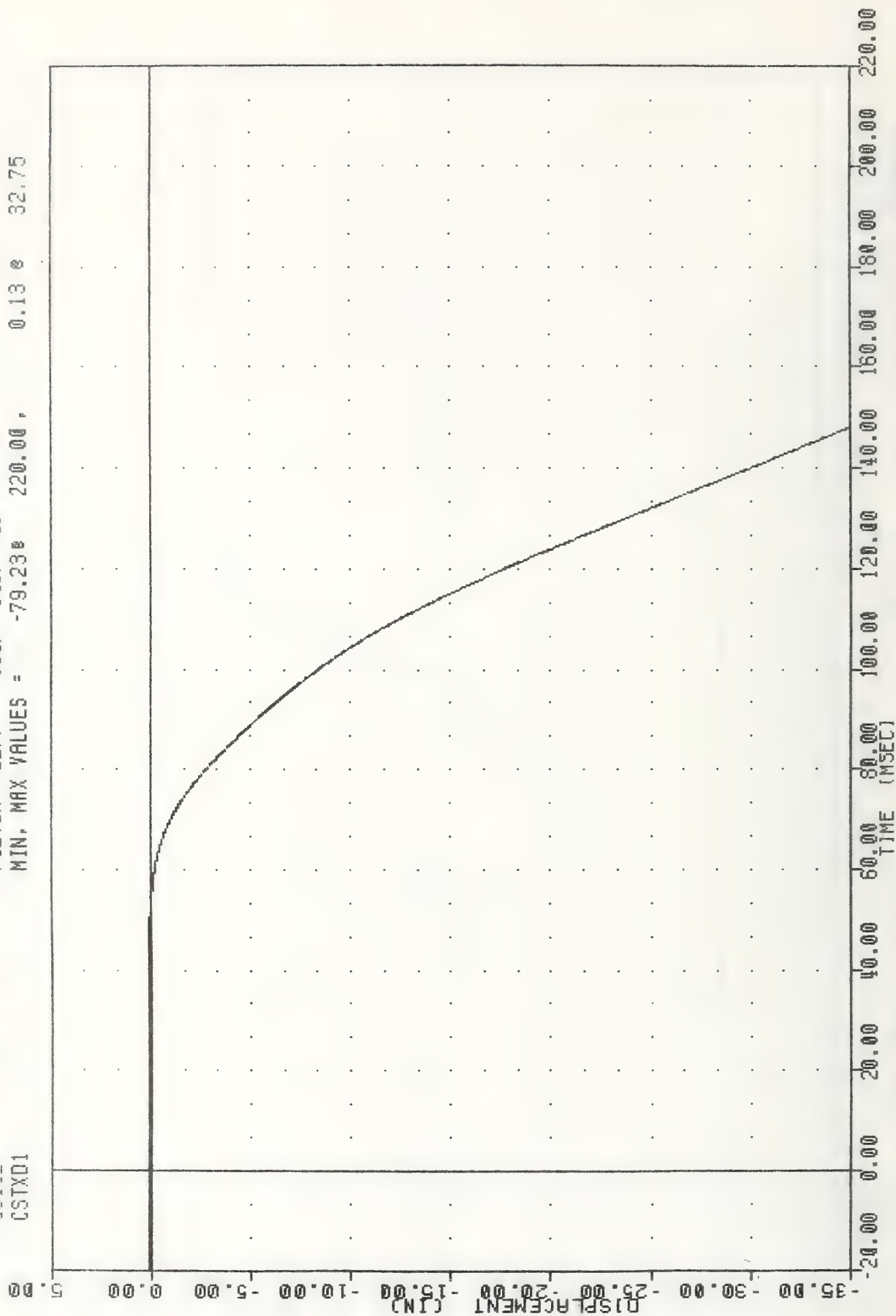
DELTA V USING CSTXG1

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
CSTXD1

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -79.23 220.00 0.13 32.75



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXV1

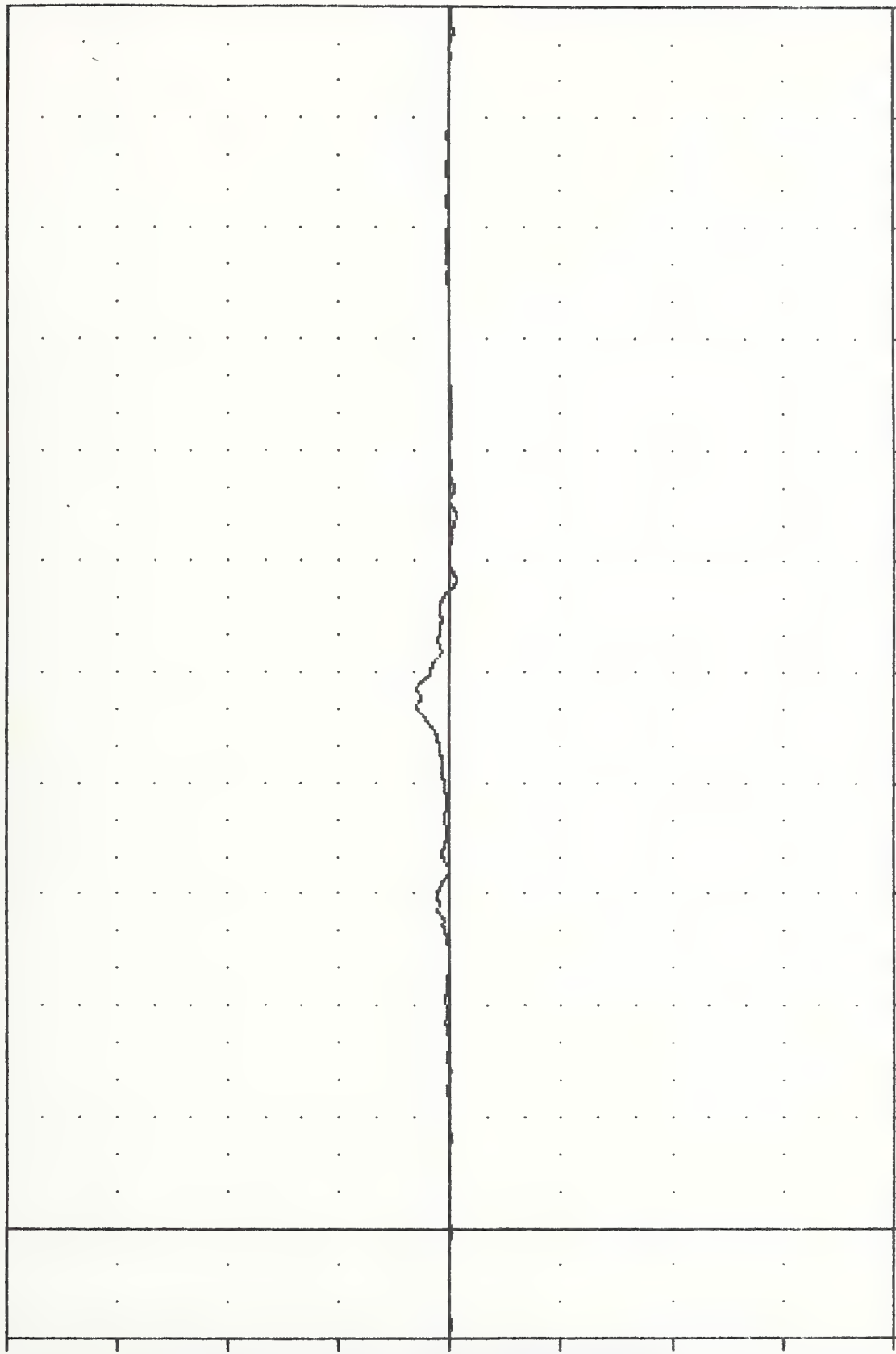
VATC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
CSTY61

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -1.54e 116.50, 7.54 e 93.75

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 CSTZG1

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -1.08 51.63, 6.99 111.88

100.00

75.00

50.00

25.00

ACCELERATION (G)

-25.00

-50.00

-75.00

-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

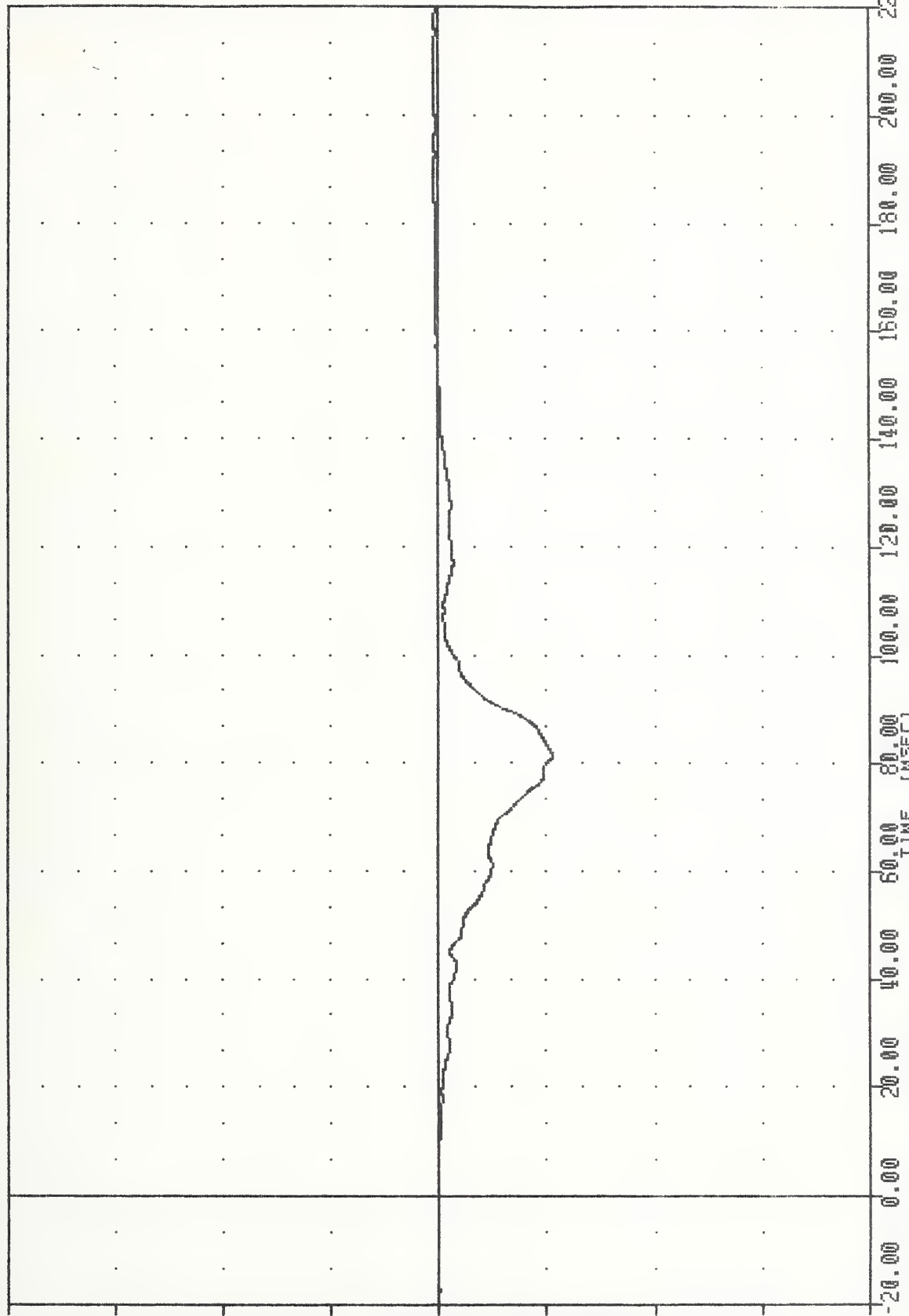
VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
PEVXG1

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -52.73 81.38, 2.48 e 207.50

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

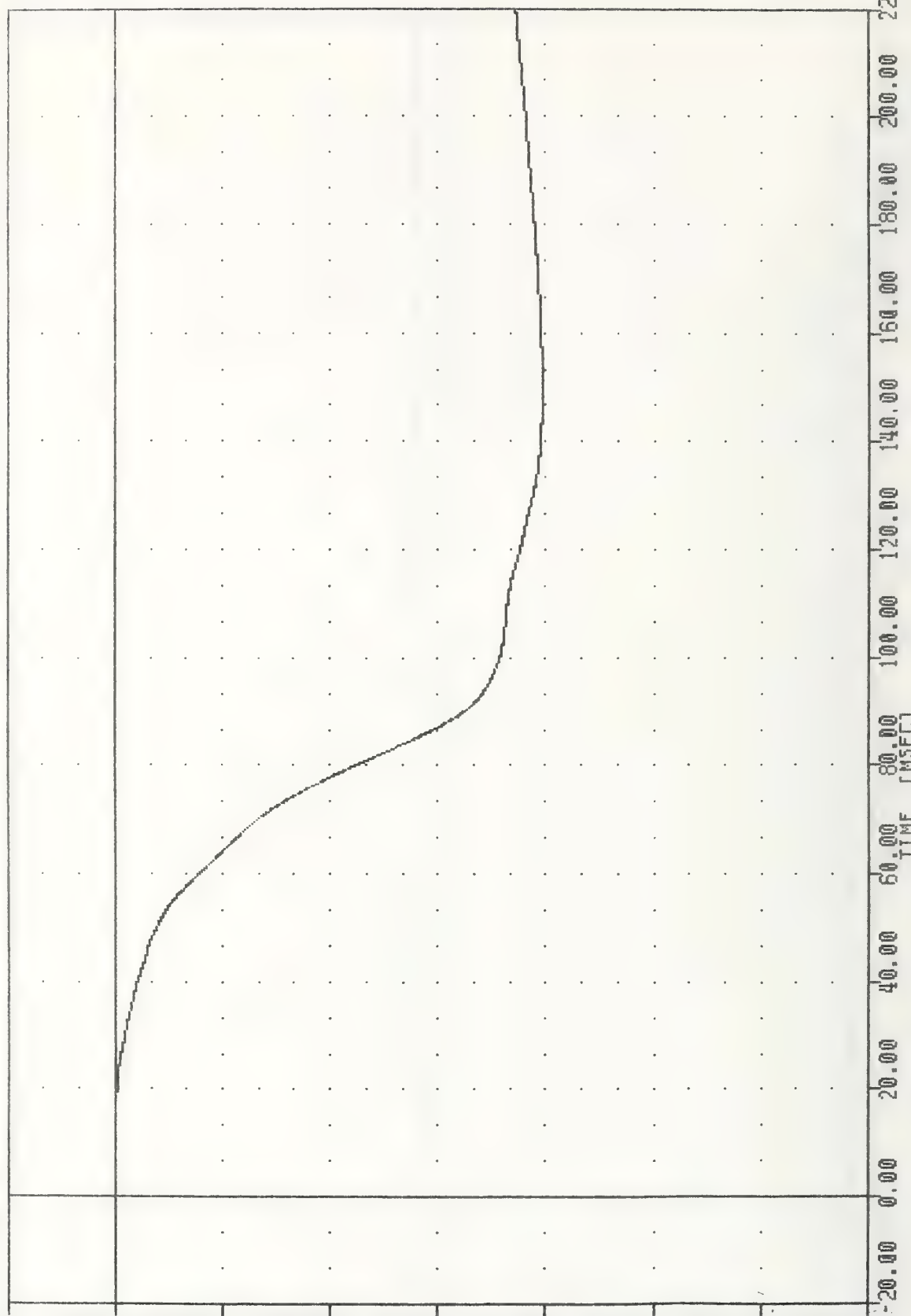
VRTC , RD384-4-37
BRAED AIRBAG SLED PROGRAM
85142
PEVXV1

PLOT DATE 23-MAY-85 08:35:04

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -39.68e 150.36 , 0.04 e -8.00

VELOCITY (MPH)



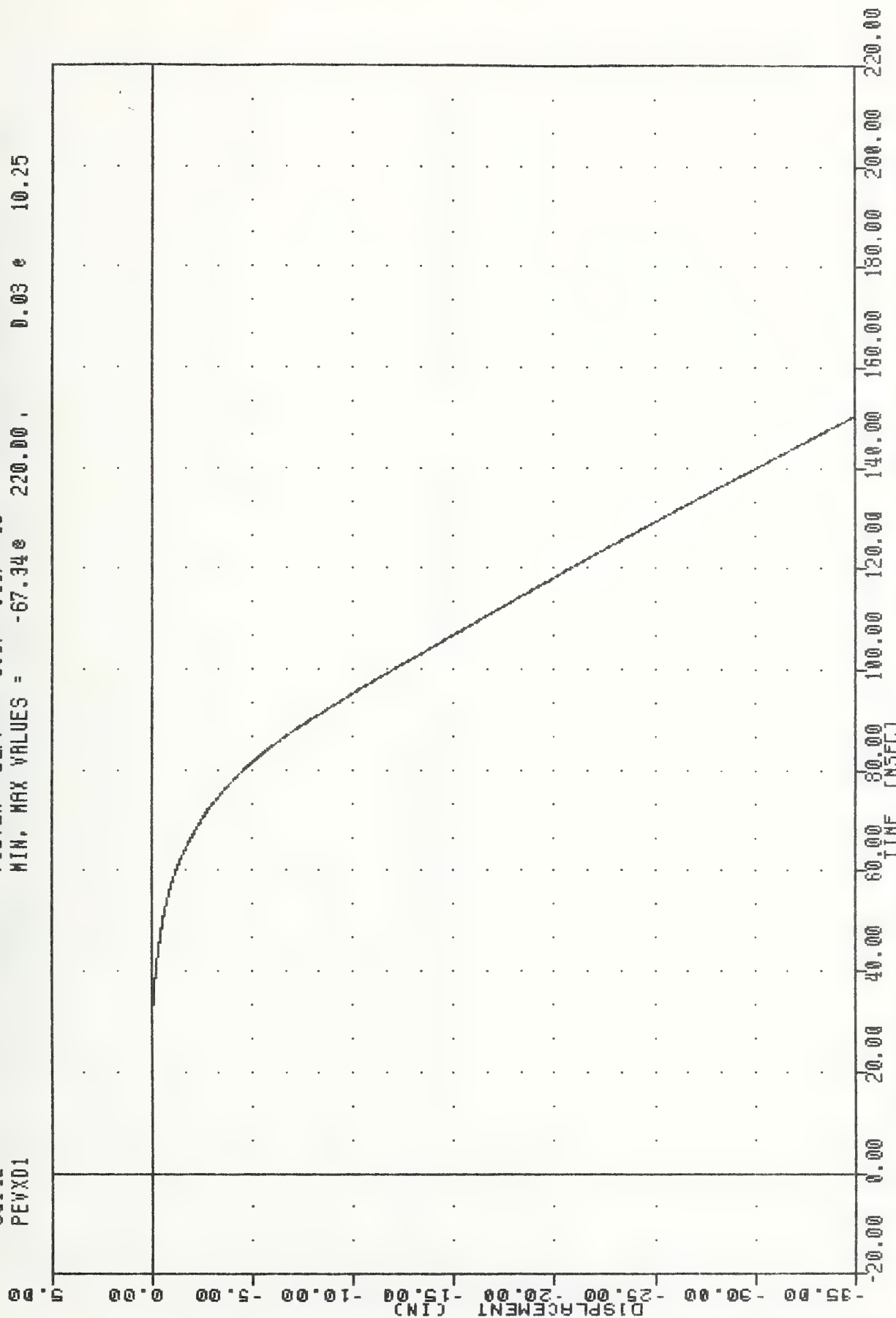
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEVXG1

VATC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
PEVX01

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -67.34 e 220.00 , 0.03 e 10.25



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

DELTA X USING PEVX01

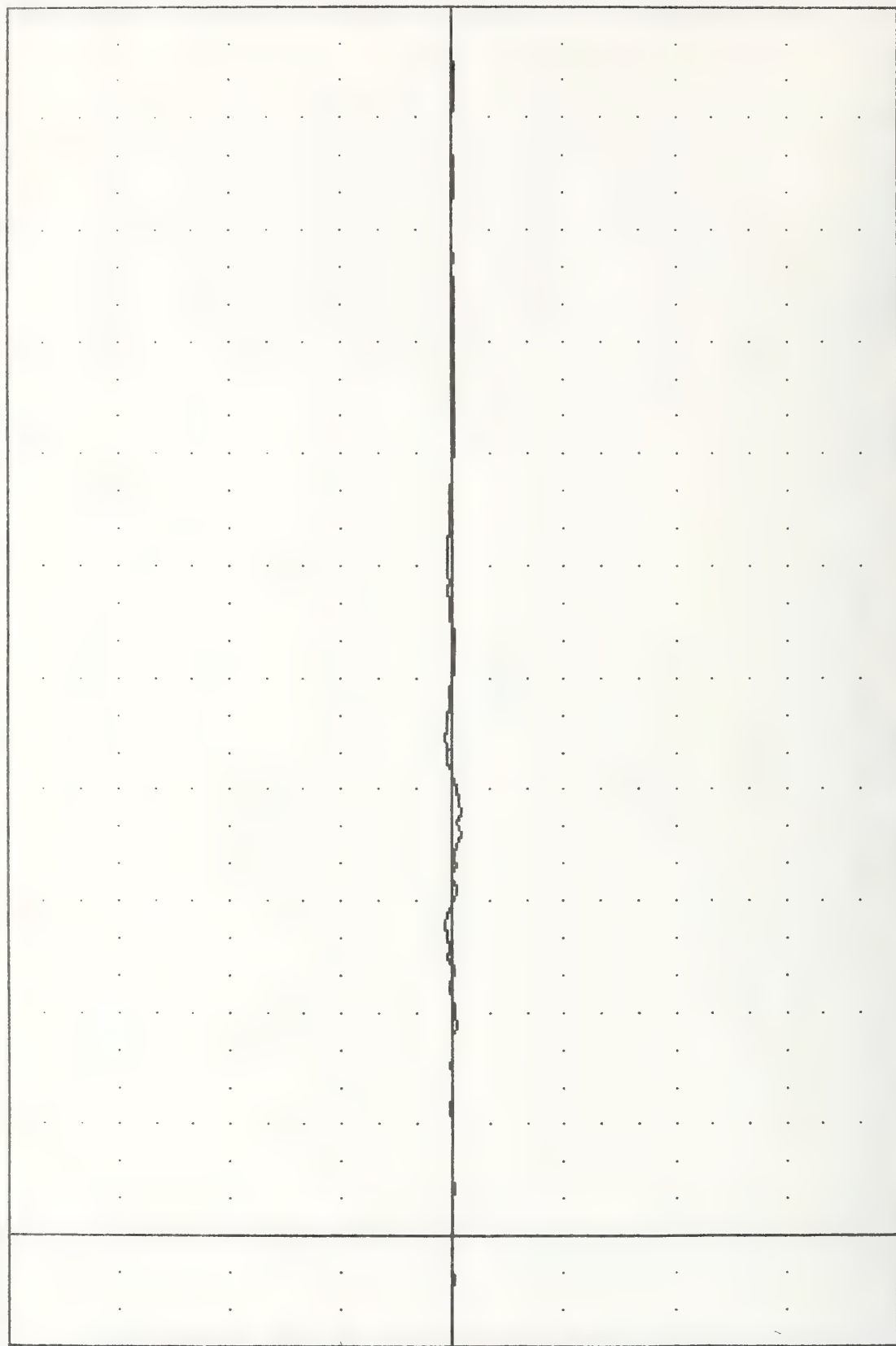
VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
PEVYG1

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -3.95e 76.13, 3.44 e 89.13

ACCELERATION (G)



200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

DRIVER PELVIS ACCELERATION Y AXIS

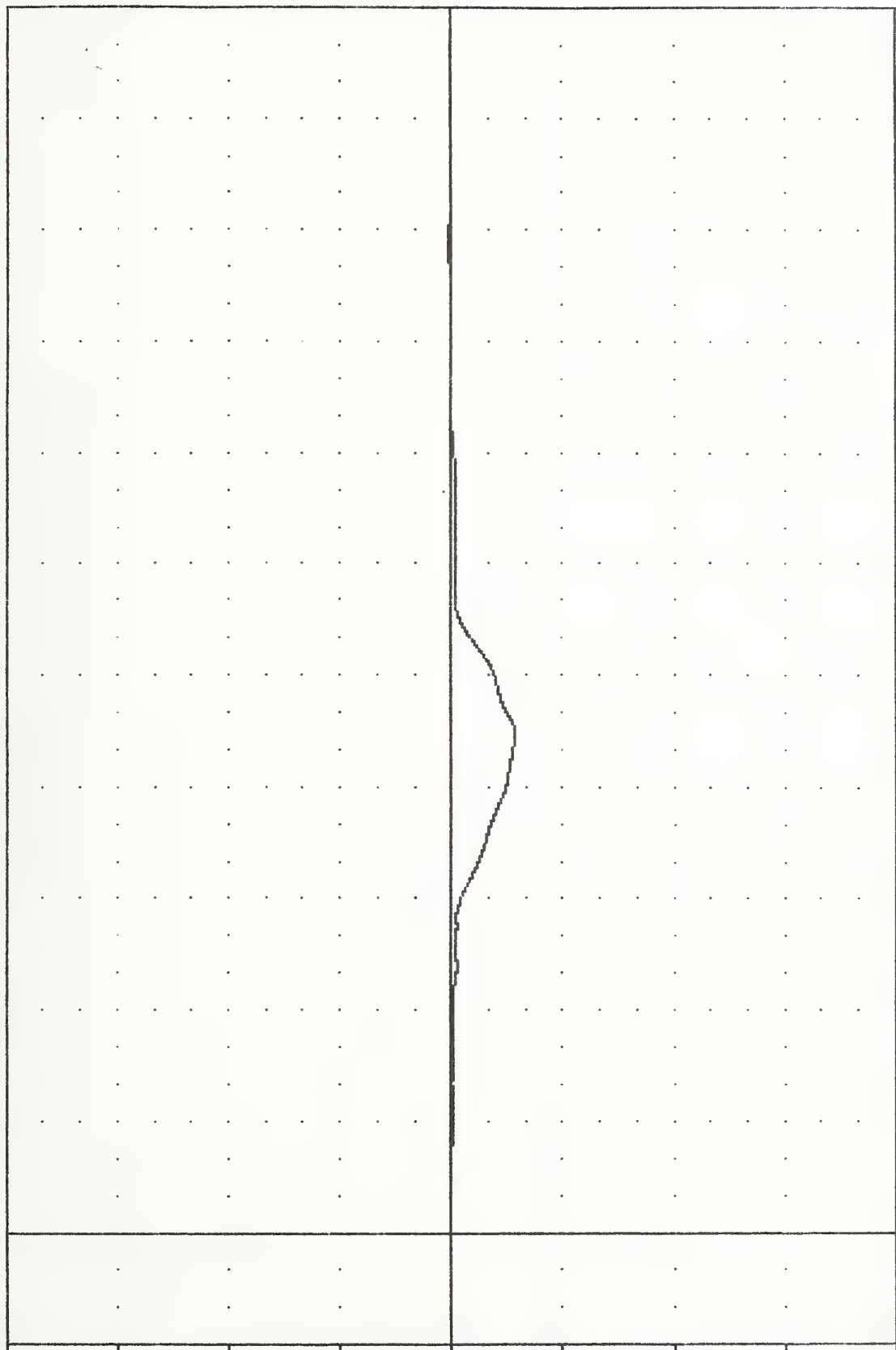
VRIC RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
PEVZ61

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -28.61e 89.50 , 0.98 e 177.63

ACCELERATION (G)



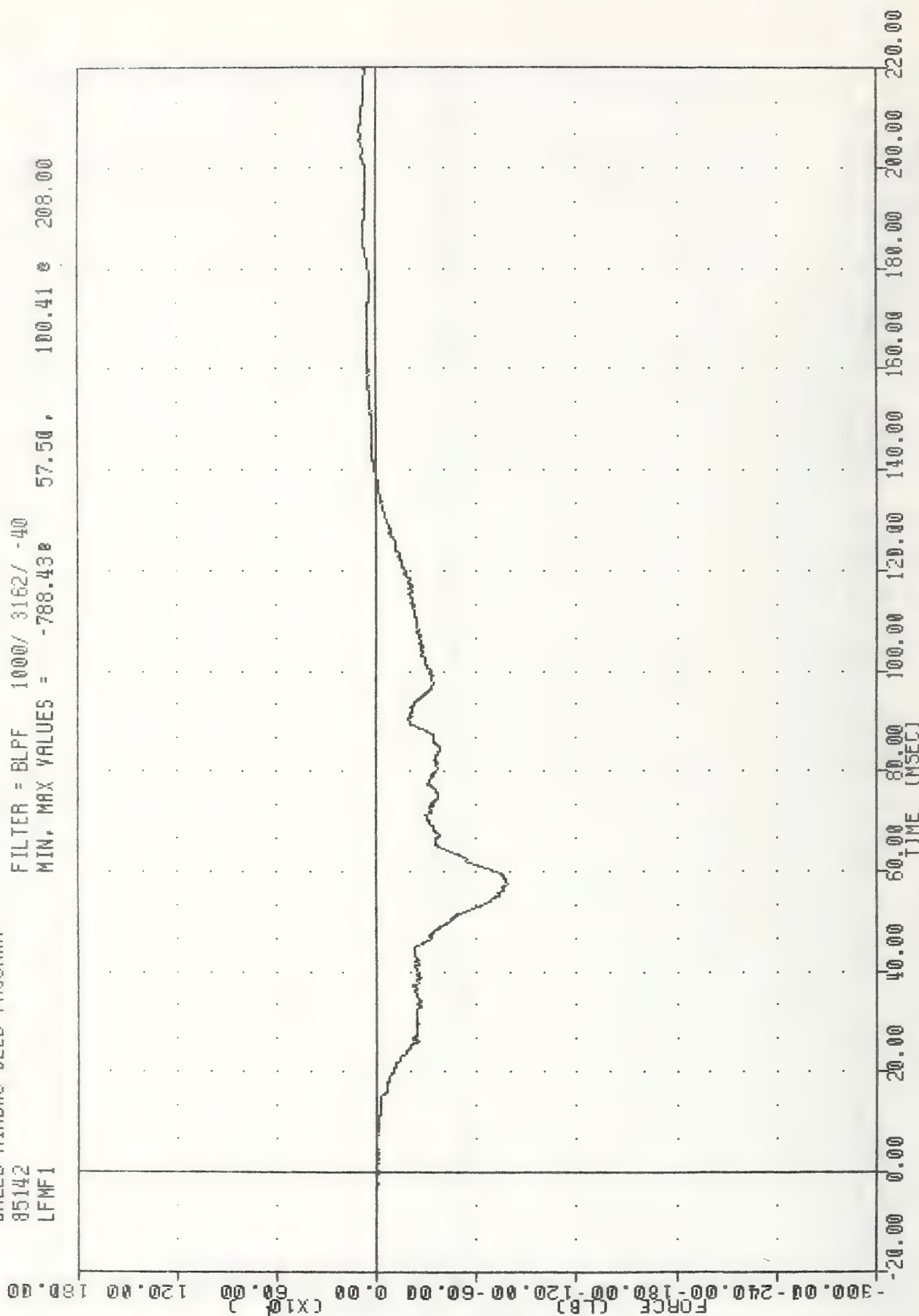
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

VRTC , R0384-A-37
BREED AIRBAG SLED PROGRAM
85142
LFMF1

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 1000/ 3162/ -40
MIN, MAX VALUES = -788.43e 57.50 , 100.41 e 208.00



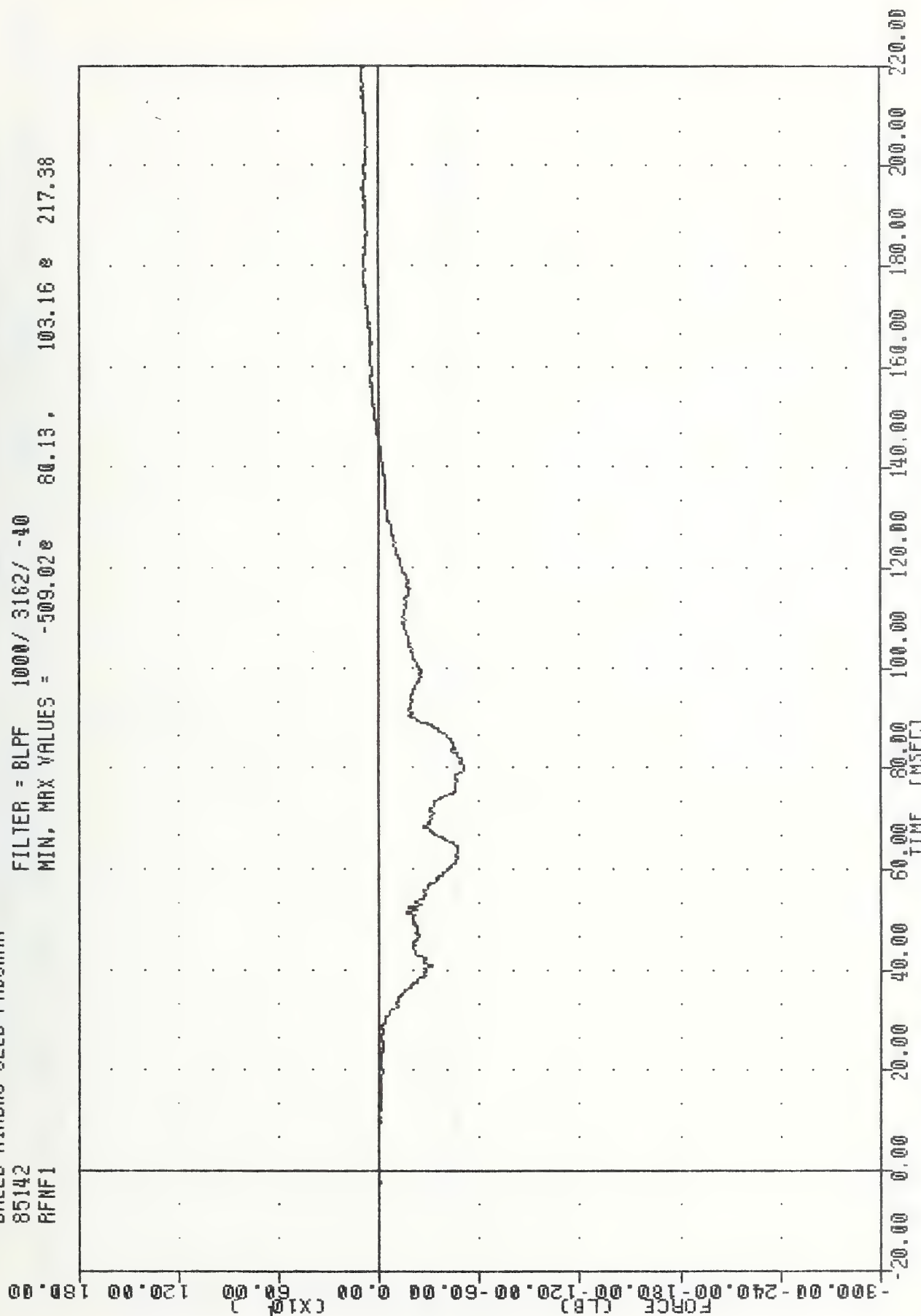
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

VRTC
BREED AIRBAG SLED PROGRAM
85142
RFNF1

PLOT DATE 23-MAY-85 08:34:13

FILTER = 8LPF 1000/ 3162/ -40

MIN, MAX VALUES = -509.02 80.13, 103.16 217.38

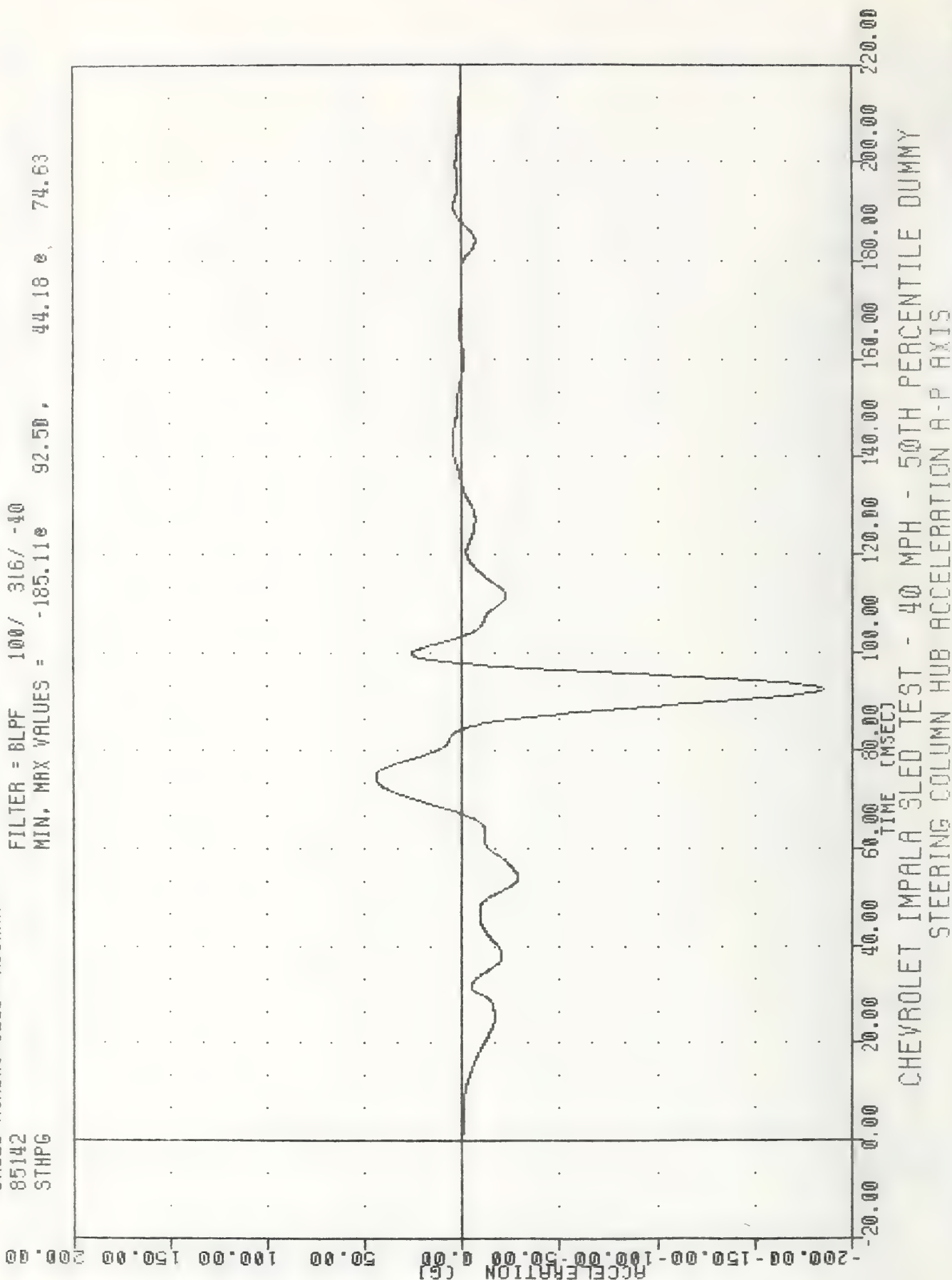


VRTC , FD384-4-37
BRAED AIRBAG SLED PROGRAM
85142
STHPG

PLOT DATE 23-MAY-85 06:34:13

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -185.11e 92.50, 44.18 e, 74.63

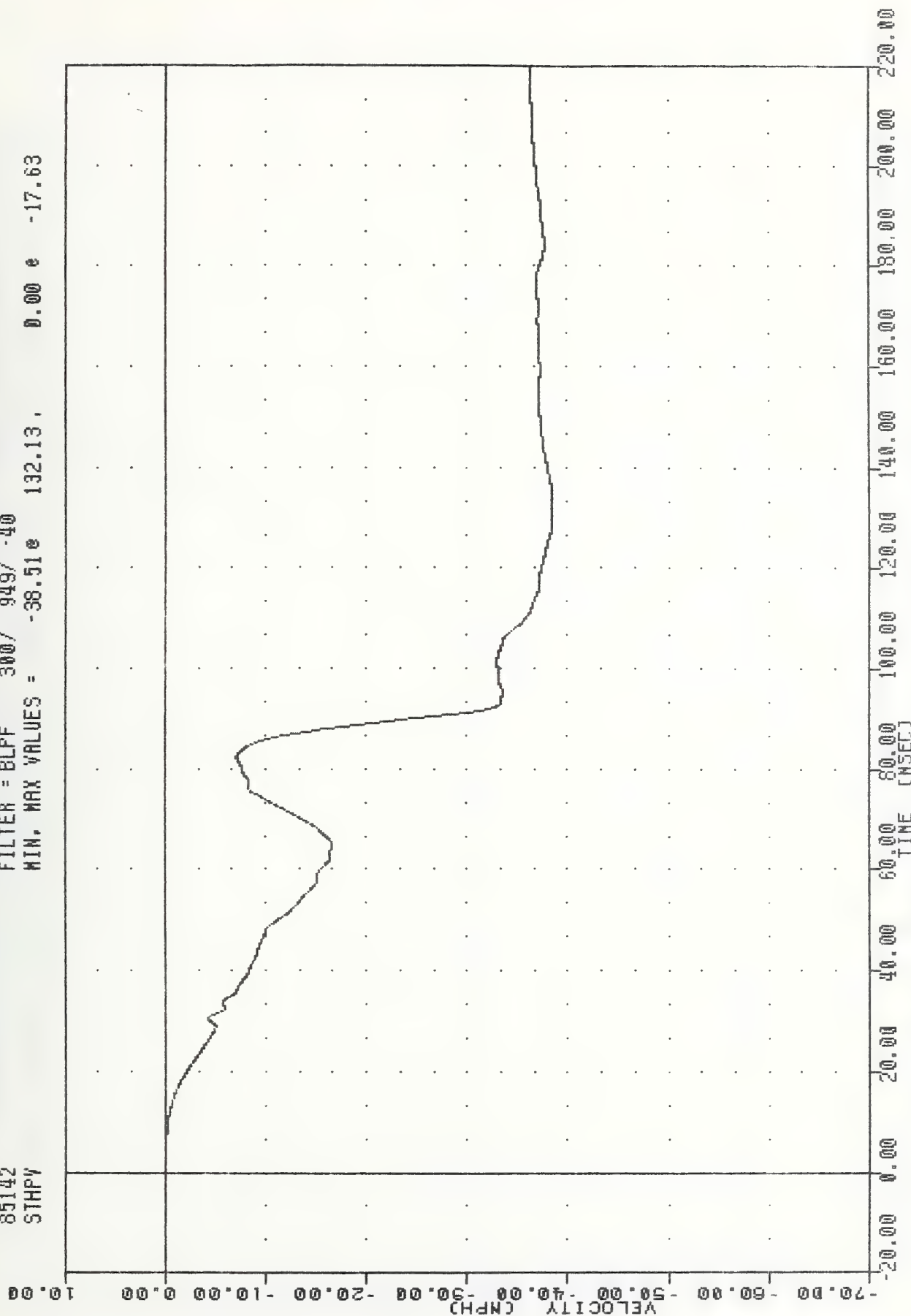


VRIC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
STHPV

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -38.51e 132.13, 0.00 e -17.63



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

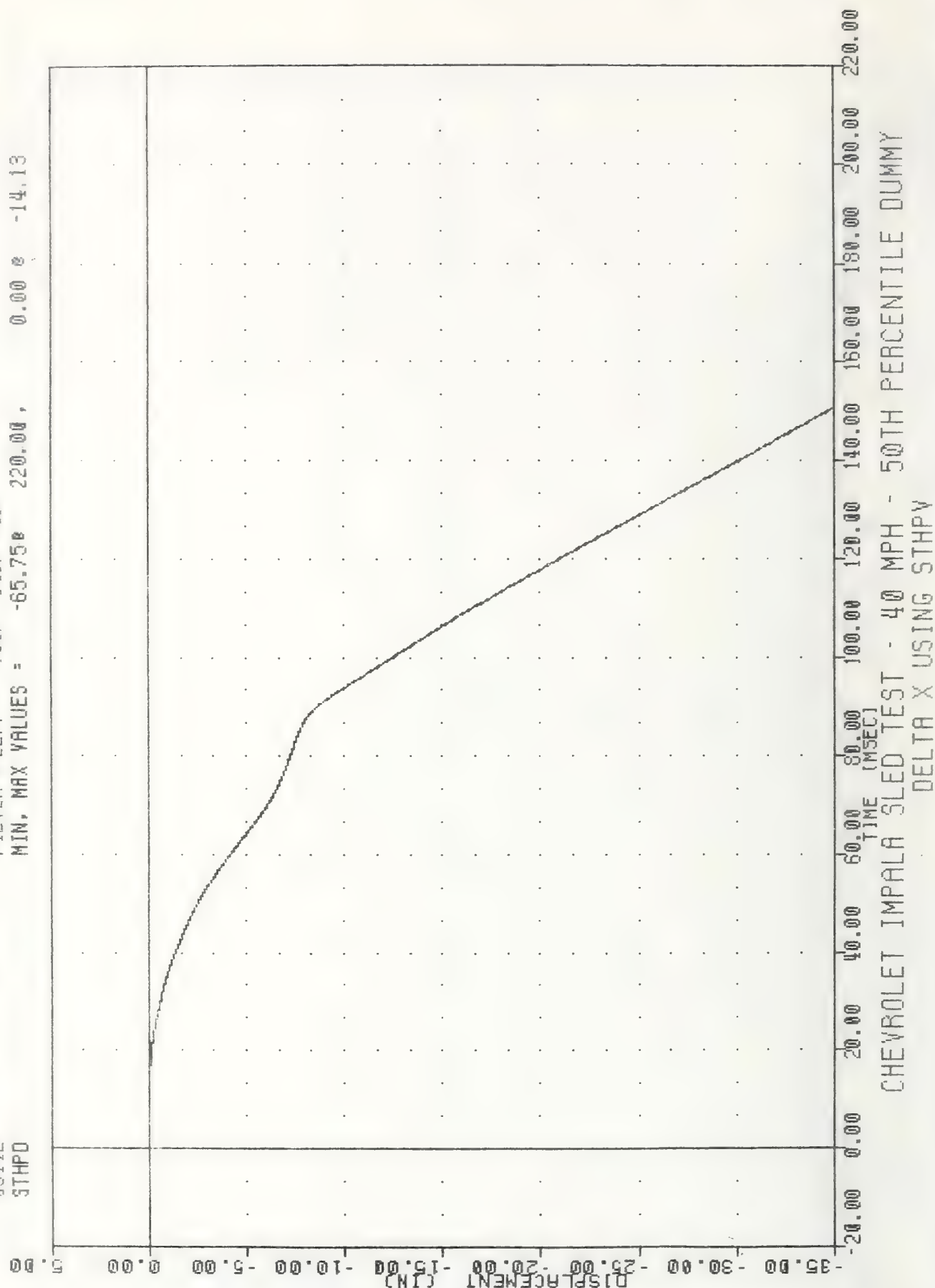
DELTA V USING STHPG

VRIC , 80334-4-37
BREED AIRBAG SLED PROGRAM
85142
STHPD

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -65.75 220.00, 0.00 -14.13

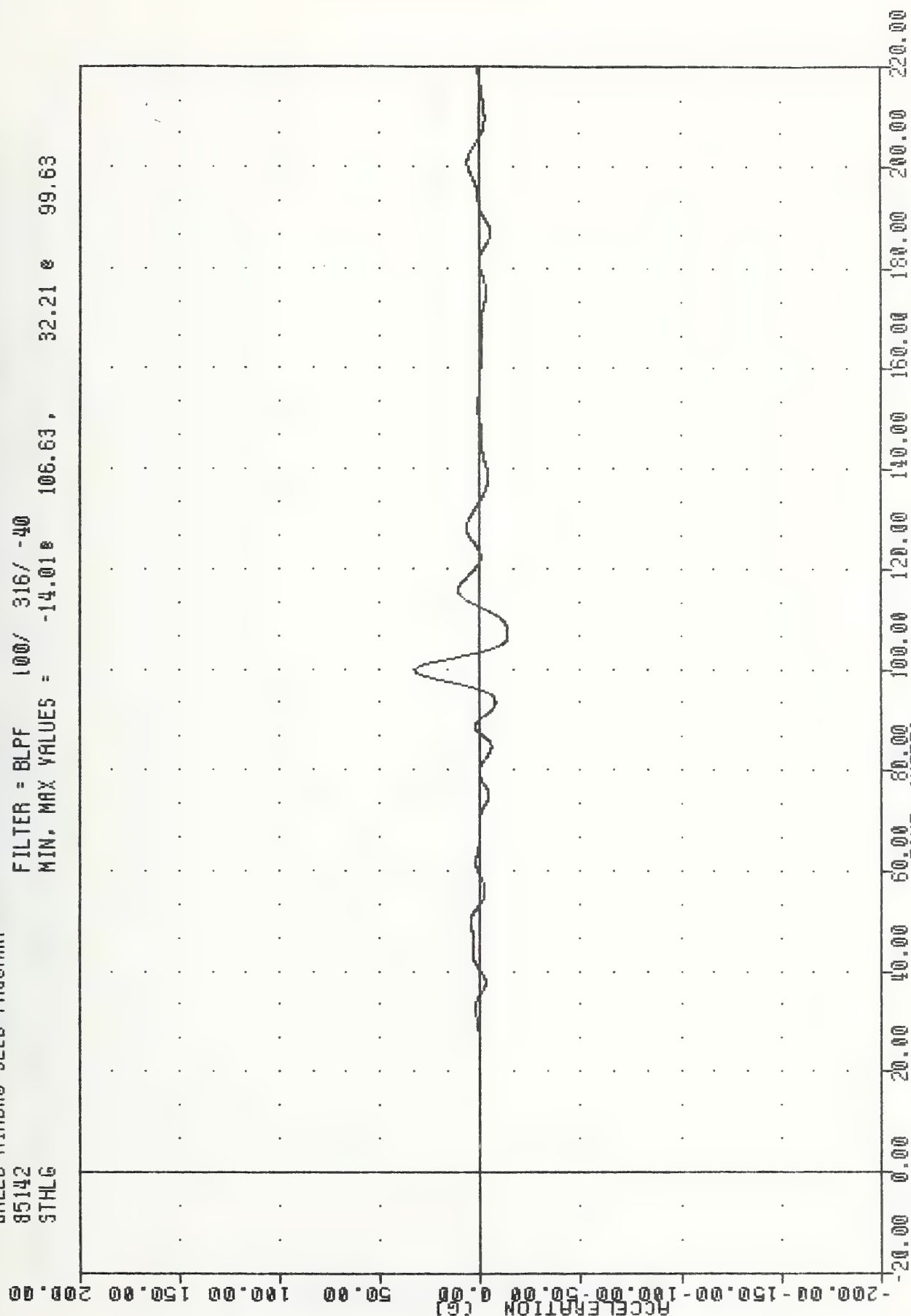


VRTC , R0384-4-37
BREED AIRBAG SLED PROGRAM
85142
STHLG

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -14.01e 106.63, 32.21 e 99.63



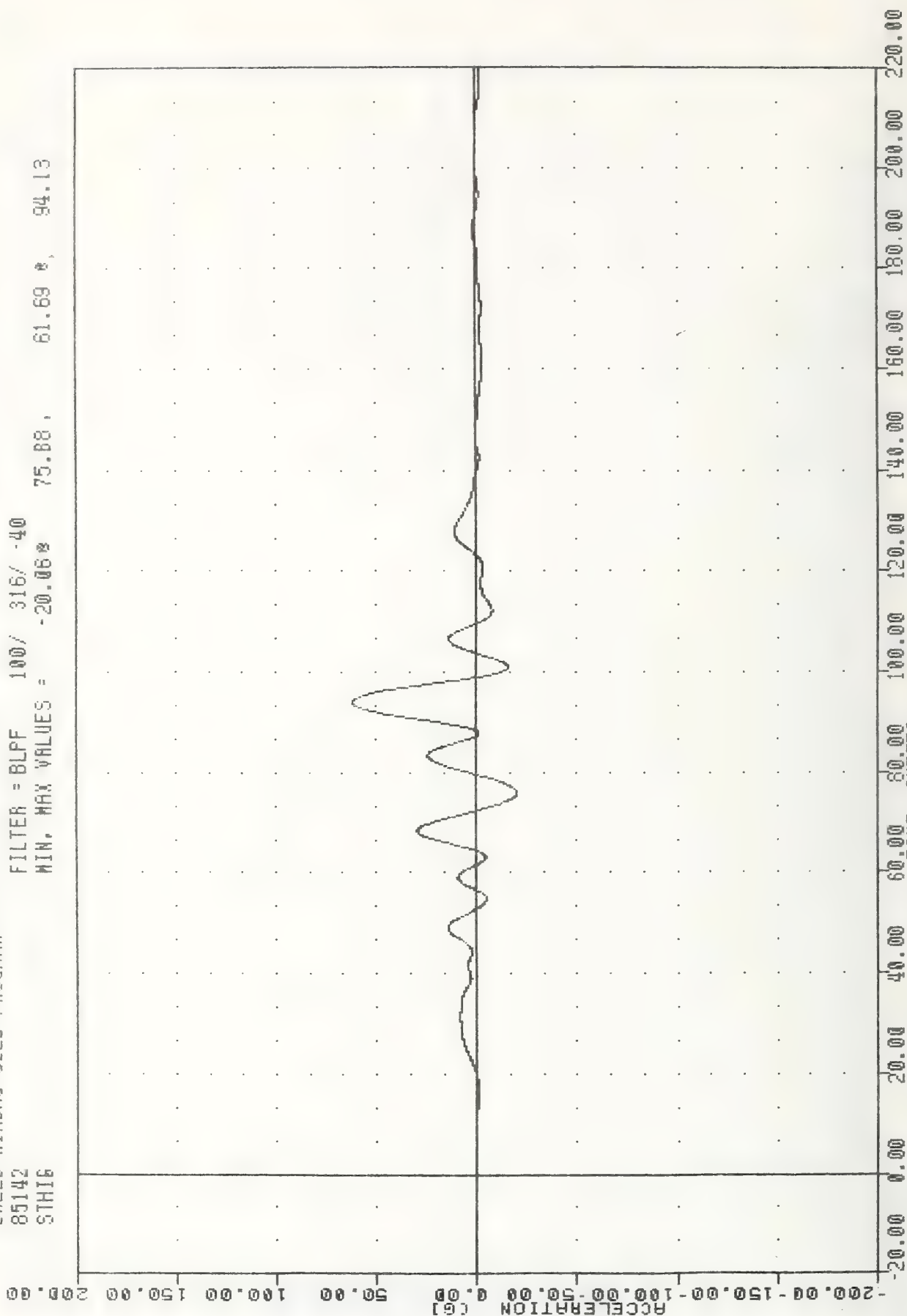
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

WATC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
STH16

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -20.06% 75.88, 61.69 %, 94.13



384

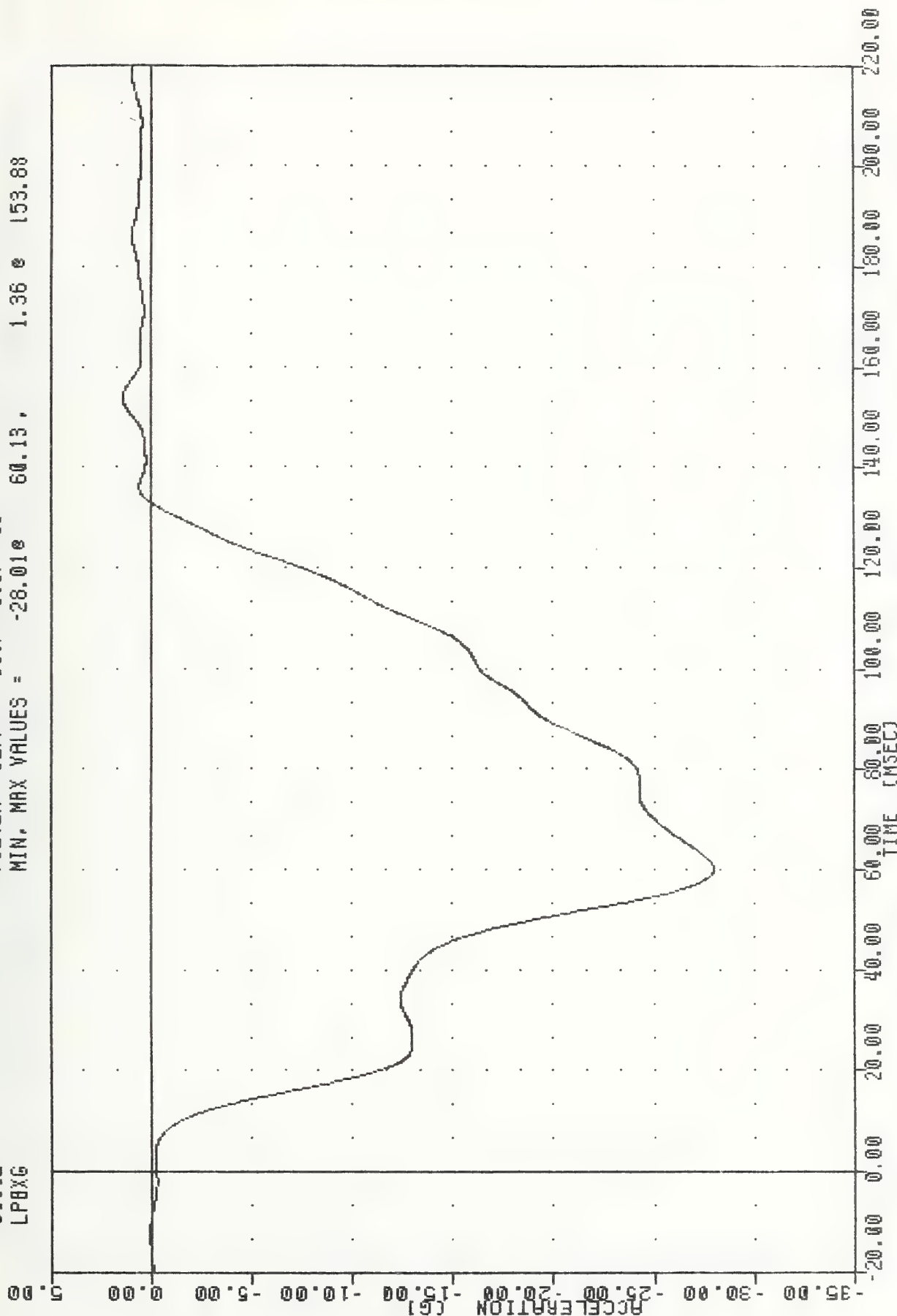
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

VRTC , RD384-4-37
BRAED AIRBAG SLED PROGRAM
85142
LPBXG

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

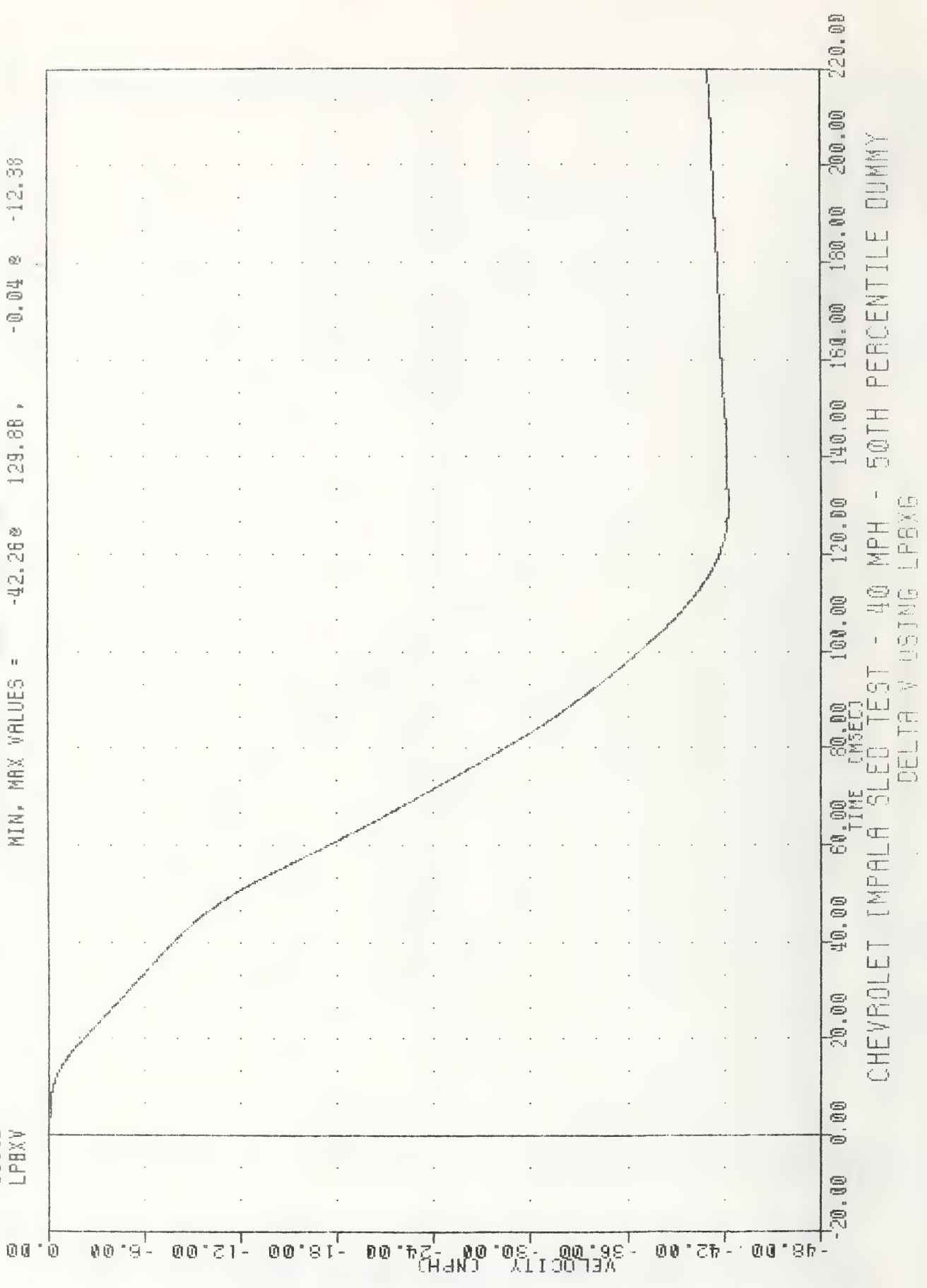
MIN. MAX VALUES = -28.01e 60.13, 1.36 e 153.88



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 LPBXV

PLOT DATE 11-JUN-85 11:15:38
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -42.26 129.88, -0.04 8 -12.38

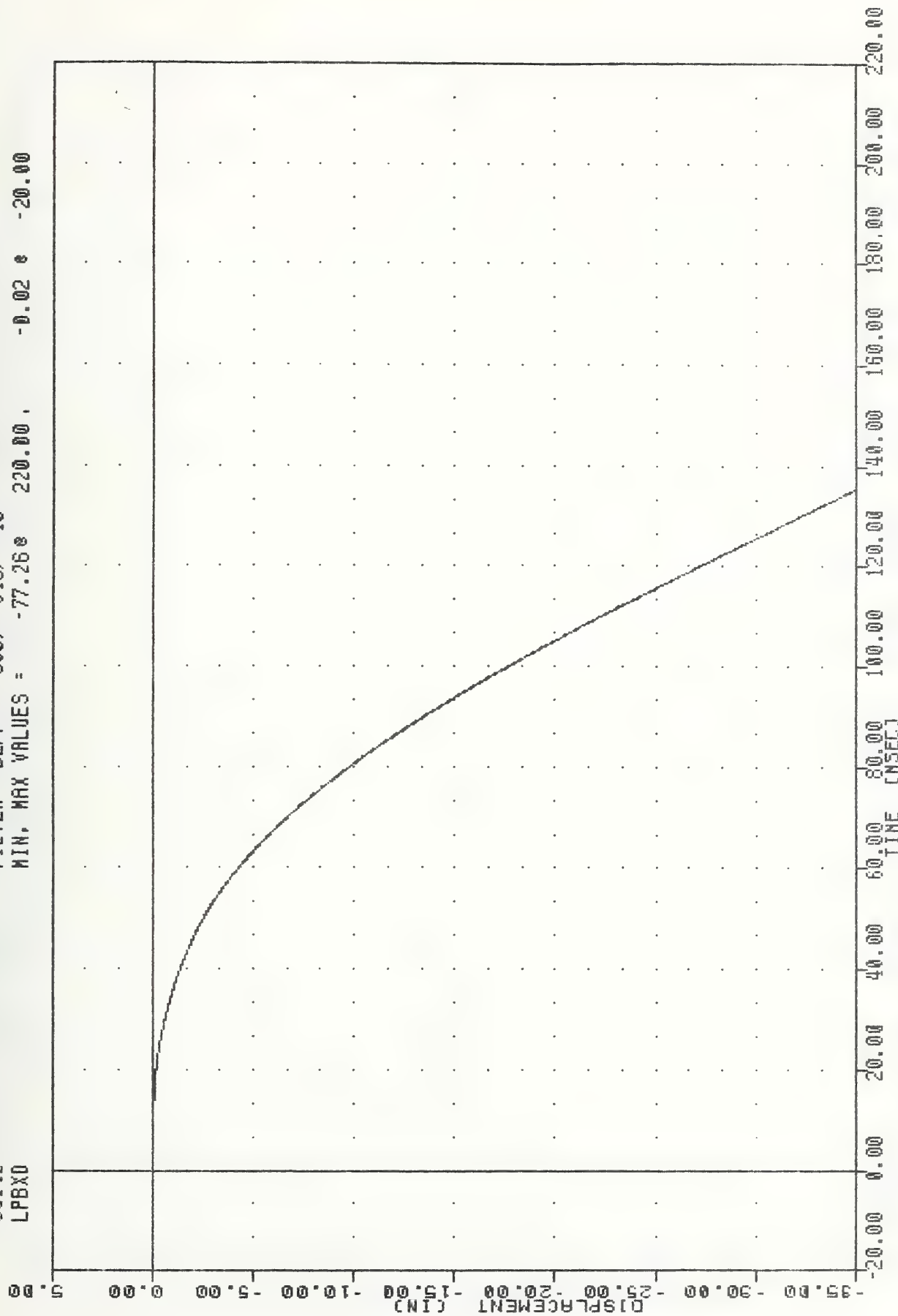


VRTC
BREED AIRBAG SLED PROGRAM
85142
LPBX0

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -77.26° 220.00, -0.02° -20.00



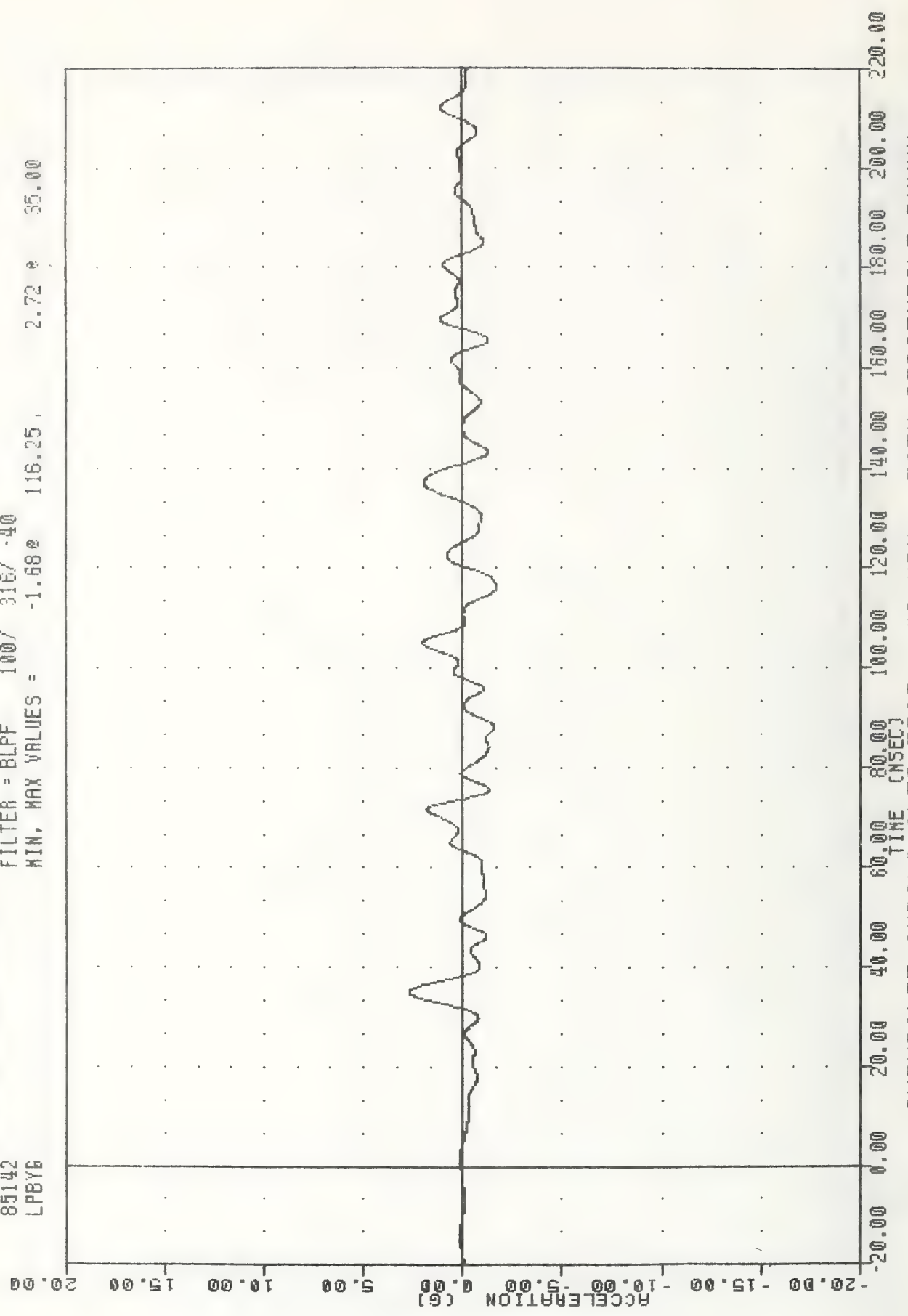
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA X USING LPBXV

VRTC . RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
LPBYG

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 315/ -40

MIN, MAX VALUES = -1.68g 116.25, 2.72g 35.00



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

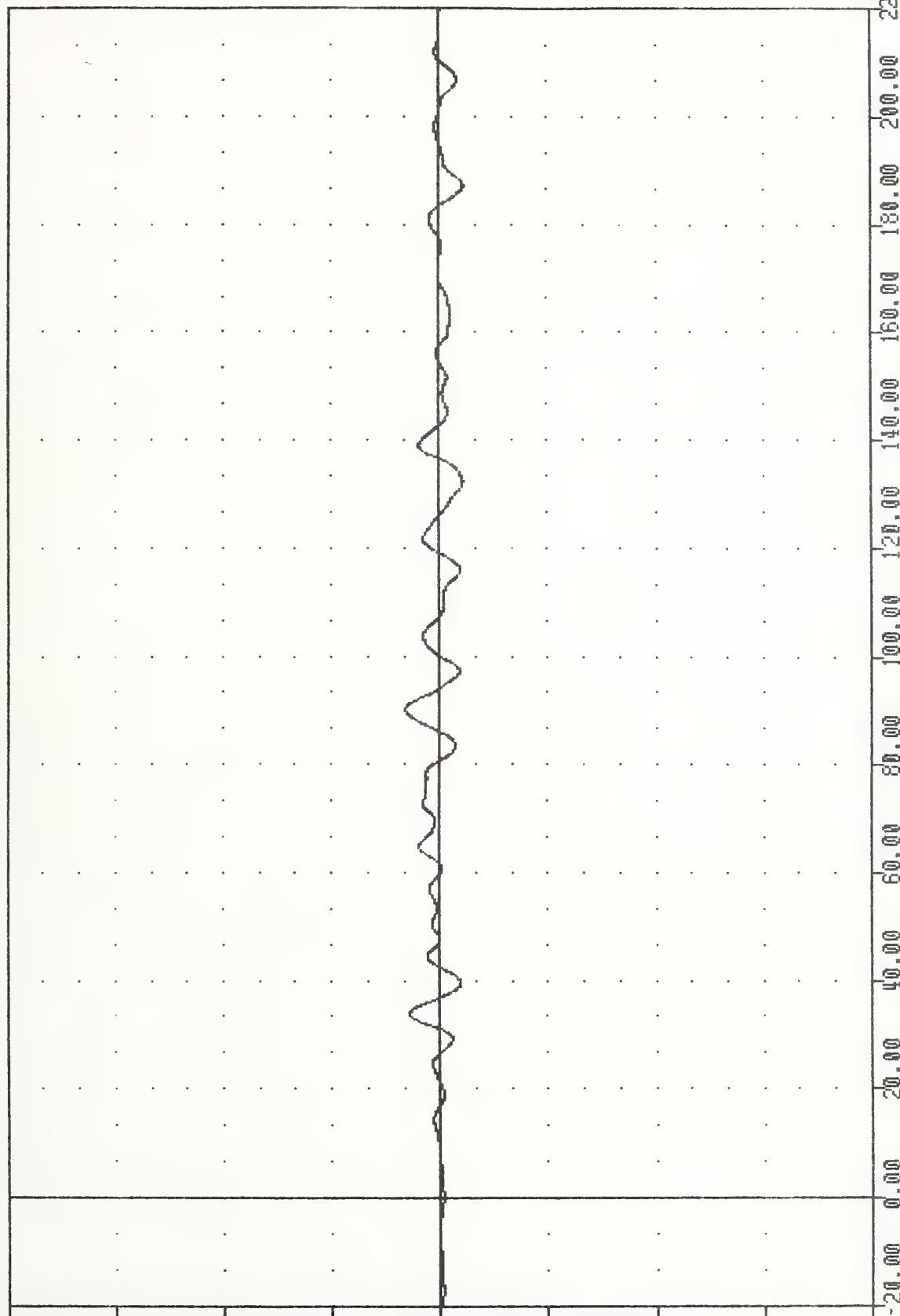
VRTC
BREED AIRBAG SLED PROGRAM
85142
LP8ZG

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -1.10E 187.25, 1.58E 90.13

ACCELERATION (G)



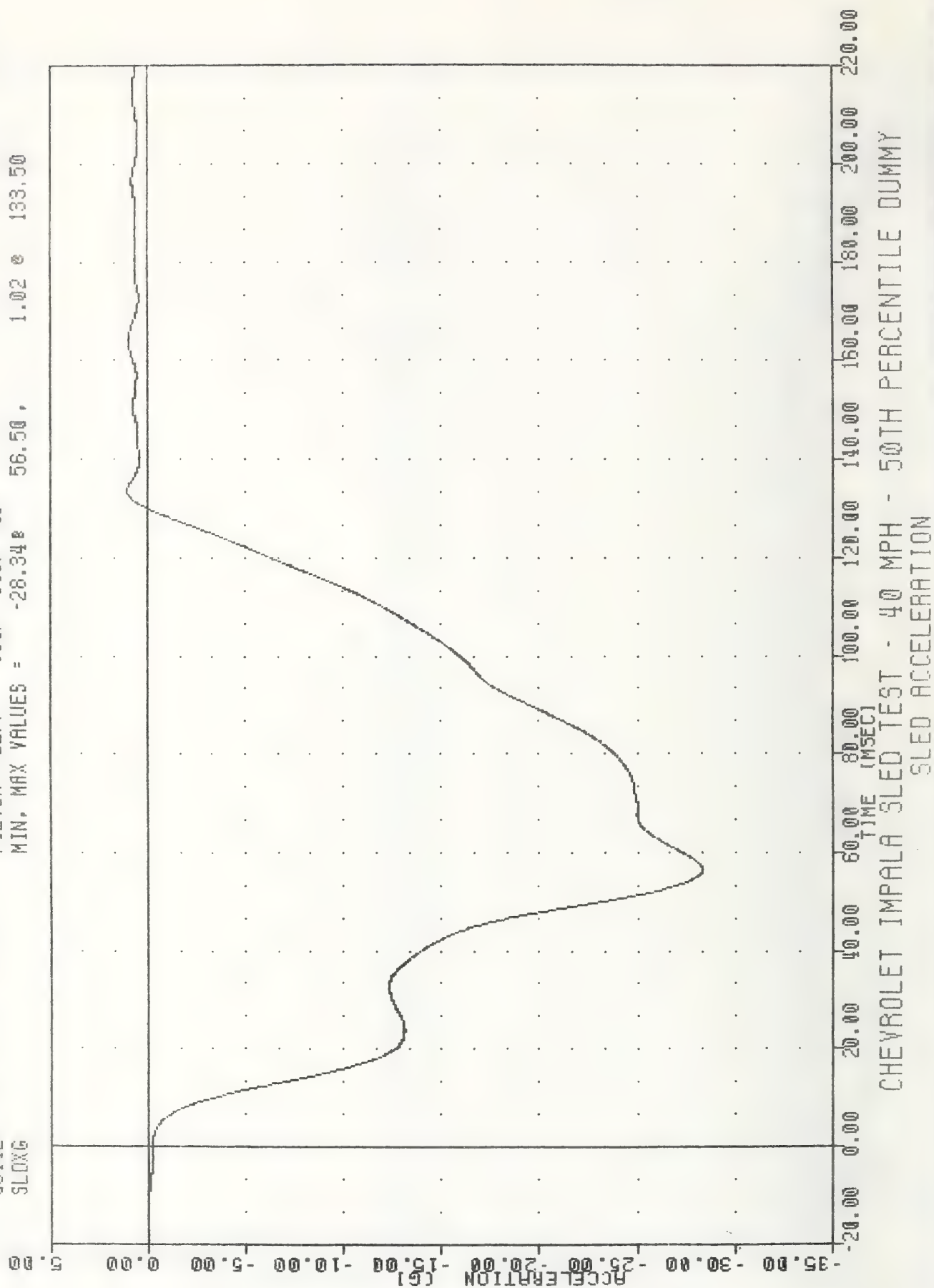
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC , R0384-4-37
BREED AIRBAG SLED PROGRAM
85142
SLOXG

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -28.34e 56.50, 1.02 e 133.50

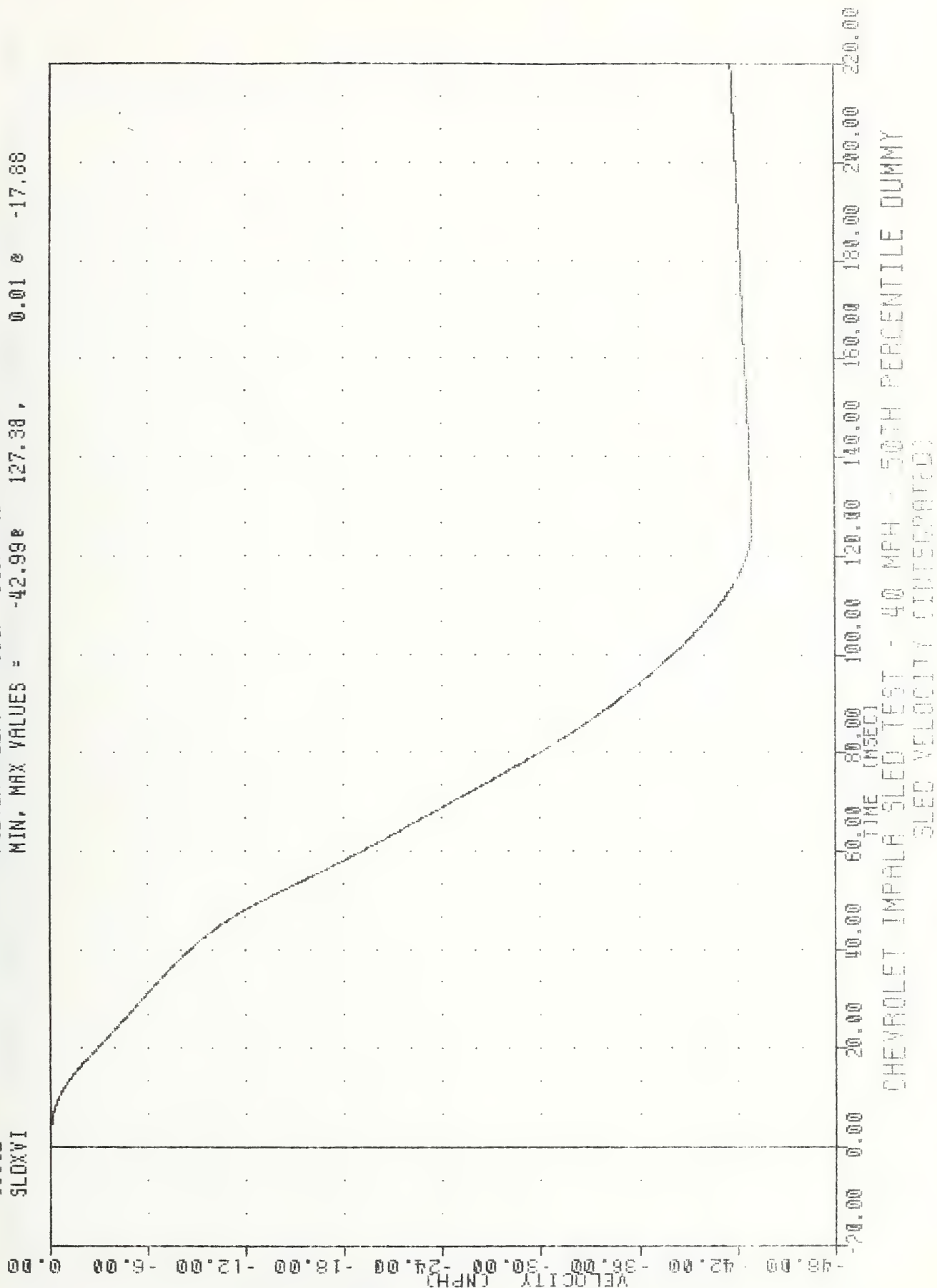


VRTC , R0384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 SLOXVI

PLOT DATE 11-JUN-85 11:19:38

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -42.99 127.38, 0.01 0 -17.88

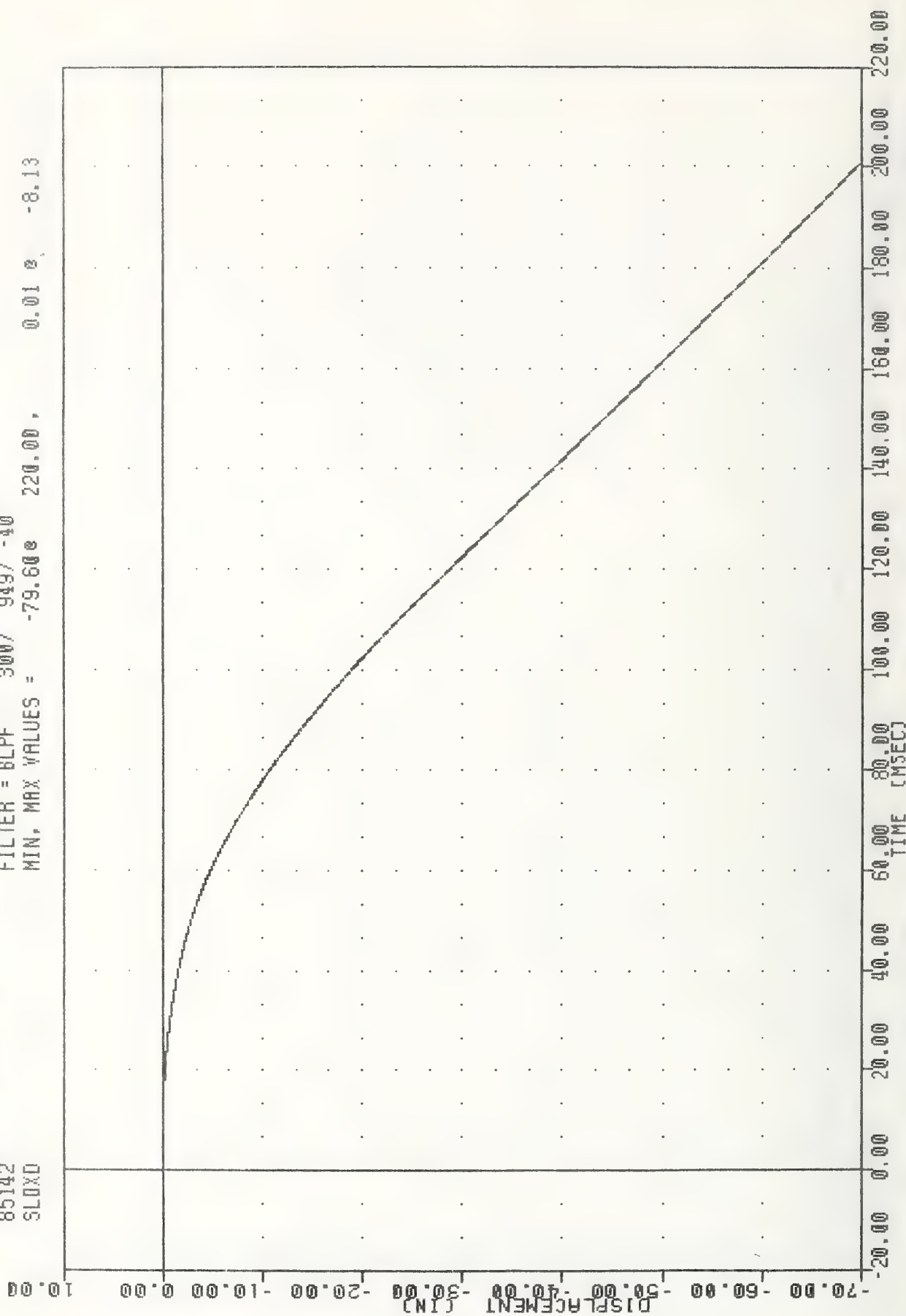


VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
SLOXD

PLOT DATE 23-MAY-85 08:36:04

FILTER = 8LPF 300/ 949/ -40

MIN. MAX VALUES = -79.60e 220.00, 0.01 e, -8.13



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

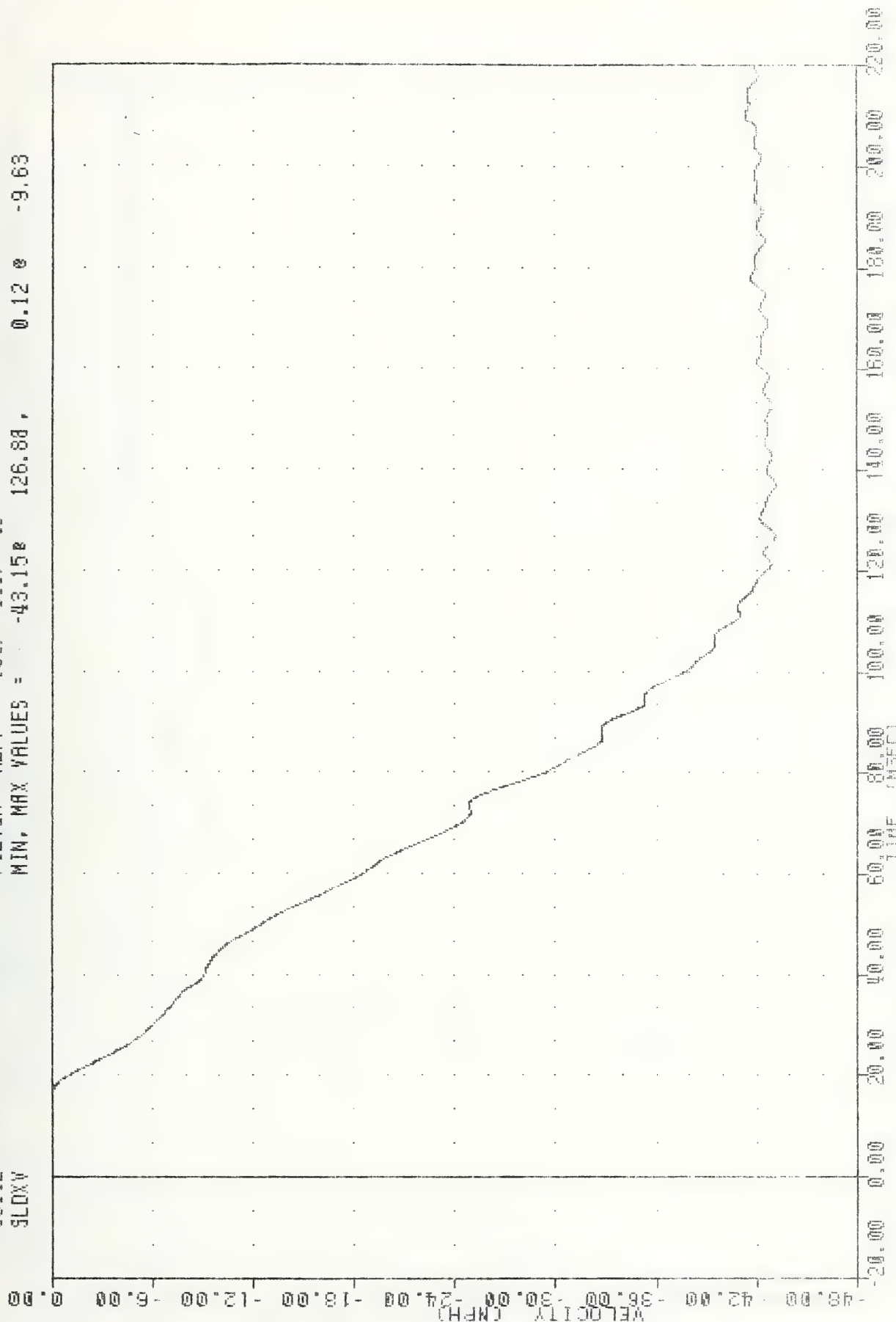
DELTA X USING SLOXVI

VRTC
 BREED AIRBAG SLED PROGRAM
 85142
 SLDXV

PLOT DATE 11-JUN-85 11:11:45

FILTER = ALPF 100/ 316/ -40

MIN, MAX VALUES = -43.15 126.88, 0.12 -9.63



CHEVROLET 1450LB SLED TEST - 40 MPH - 50TH PERCENTILE QMM
 SLED VELOCITY (MPH) (18)

VATC , RD384-4-37
BAEED AIRBAG SLED PROGRAM
85142
ABTP

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.11e 43.88 , 35.04 e 31.63

70.00

60.00

50.00

40.00

30.00

20.00

10.00

0.00

-10.00

-20.00

-30.00

-40.00

-50.00

-60.00

-70.00

-80.00

-90.00

-100.00

-110.00

-120.00

-130.00

-140.00

-150.00

-160.00

-170.00

-180.00

-190.00

-200.00

-210.00

-220.00

-230.00

-240.00

-250.00

-260.00

-270.00

-280.00

-290.00

-300.00

-310.00

-320.00

-330.00

-340.00

-350.00

-360.00

-370.00

-380.00

-390.00

-400.00

-410.00

-420.00

-430.00

-440.00

-450.00

-460.00

-470.00

-480.00

-490.00

-500.00

-510.00

-520.00

-530.00

-540.00

-550.00

-560.00

-570.00

-580.00

-590.00

-600.00

-610.00

-620.00

-630.00

-640.00

-650.00

-660.00

-670.00

-680.00

-690.00

-700.00

-710.00

-720.00

-730.00

-740.00

-750.00

-760.00

-770.00

-780.00

-790.00

-800.00

-810.00

-820.00

-830.00

-840.00

-850.00

-860.00

-870.00

-880.00

-890.00

-900.00

-910.00

-920.00

-930.00

-940.00

-950.00

-960.00

-970.00

-980.00

-990.00

-1000.00

-1010.00

-1020.00

-1030.00

-1040.00

-1050.00

-1060.00

-1070.00

-1080.00

-1090.00

-1100.00

-1110.00

-1120.00

-1130.00

-1140.00

-1150.00

-1160.00

-1170.00

-1180.00

-1190.00

-1200.00

-1210.00

-1220.00

-1230.00

-1240.00

-1250.00

-1260.00

-1270.00

-1280.00

-1290.00

-1300.00

-1310.00

-1320.00

-1330.00

-1340.00

-1350.00

-1360.00

-1370.00

-1380.00

-1390.00

-1400.00

-1410.00

-1420.00

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-1470.00

-1480.00

-1490.00

-1500.00

-1510.00

-1520.00

-1530.00

-1540.00

-1550.00

-1560.00

-1570.00

-1580.00

-1590.00

-1600.00

-1610.00

-1620.00

-1630.00

-1640.00

-1650.00

-1660.00

-1670.00

-1680.00

-1690.00

-1700.00

-1710.00

-1720.00

-1730.00

-1740.00

-1750.00

-1760.00

-1770.00

-1780.00

-1790.00

-1800.00

-1810.00

-1820.00

-1830.00

-1840.00

-1850.00

-1860.00

-1870.00

-1880.00

-1890.00

-1900.00

-1910.00

-1920.00

-1930.00

-1940.00

-1950.00

-1960.00

-1970.00

-1980.00

-1990.00

-2000.00

-2010.00

-2020.00

-2030.00

-2040.00

-2050.00

-2060.00

-2070.00

-2080.00

-2090.00

-2100.00

-2110.00

-2120.00

-2130.00

-2140.00

-2150.00

-2160.00

-2170.00

-2180.00

-2190.00

-2200.00

-2210.00

-2220.00

-2230.00

-2240.00

-2250.00

-2260.00

-2270.00

-2280.00

-2290.00

-2300.00

-2310.00

-2320.00

-2330.00

-2340.00

-2350.00

-2360.00

-2370.00

-2380.00

-2390.00

-2400.00

-2410.00

-2420.00

-2430.00

-2440.00

-2450.00

-2460.00

-2470.00

-2480.00

-2490.00

-2500.00

-2510.00

-2520.00

-2530.00

-2540.00

-2550.00

-2560.00

-2570.00

-2580.00

-2590.00

-2600.00

-2610.00

-2620.00

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-2640.00

-2650.00

-2660.00

-2670.00

-2680.00

-2690.00

-2700.00

-2710.00

-2720.00

-2730.00

-2740.00

-2750.00

-2760.00

-2770.00

-2780.00

-2790.00

-2800.00

-2810.00

-2820.00

-2830.00

-2840.00

-2850.00

-2860.00

-2870.00

-2880.00

-2890.00

-2900.00

-2910.00

-2920.00

-2930.00

-2940.00

-2950.00

-2960.00

-2970.00

-2980.00

-2990.00

VRTC , R0384-4-37
BREED AIRBAG SLED PROGRAM
85142
ABT1

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -10.00e 87.88, 1.62 e 85.38

4.00

3.00

2.00

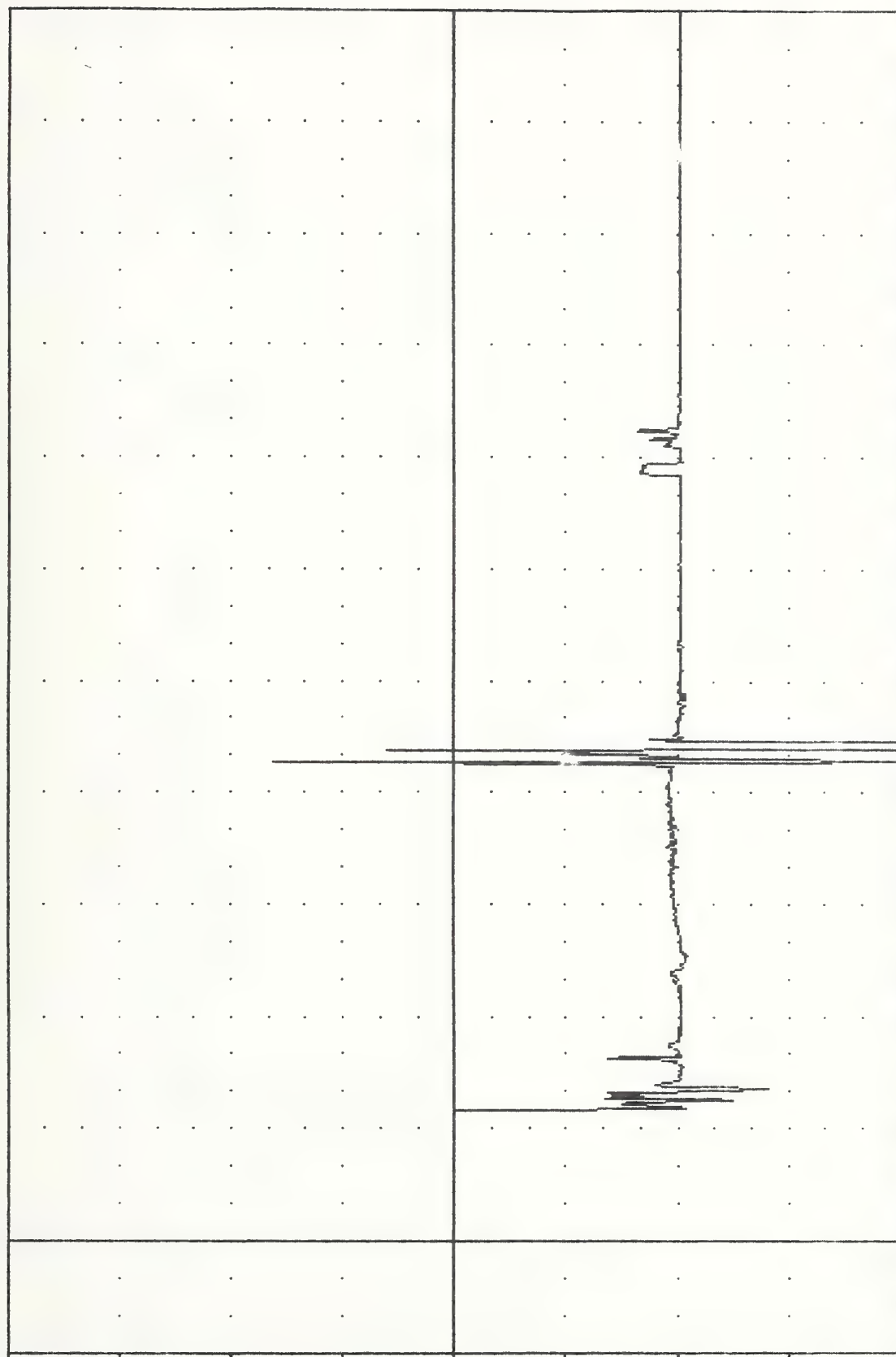
1.00

0.00

VOLTAGE (VOLT)

-3.00

-4.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

SENSOR BURNWIRE 1

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
ABT2

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -2.77e 0.00e -19.38

4.00

3.00

2.00

1.00

0.00

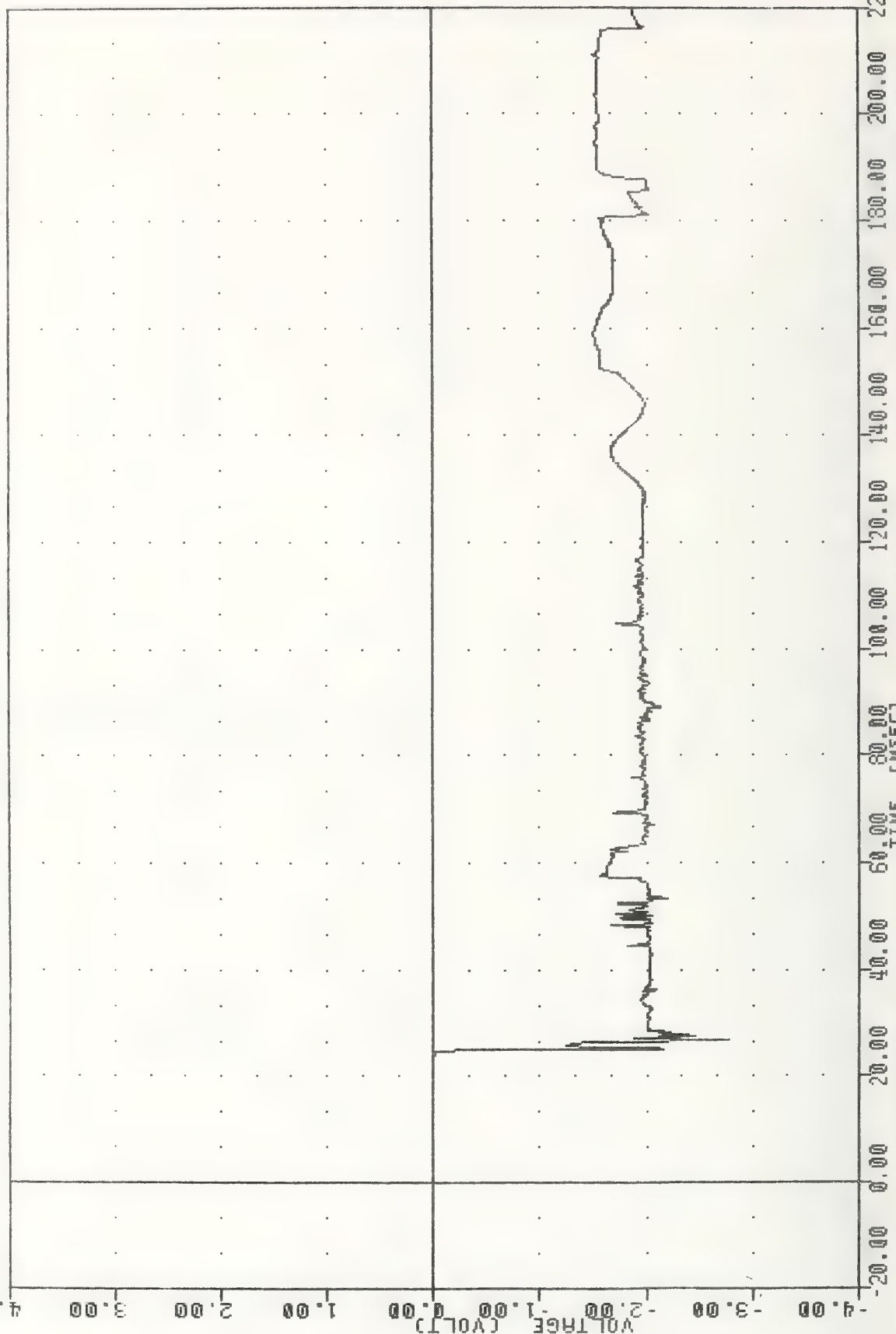
-1.00

-2.00

-3.00

-4.00

396



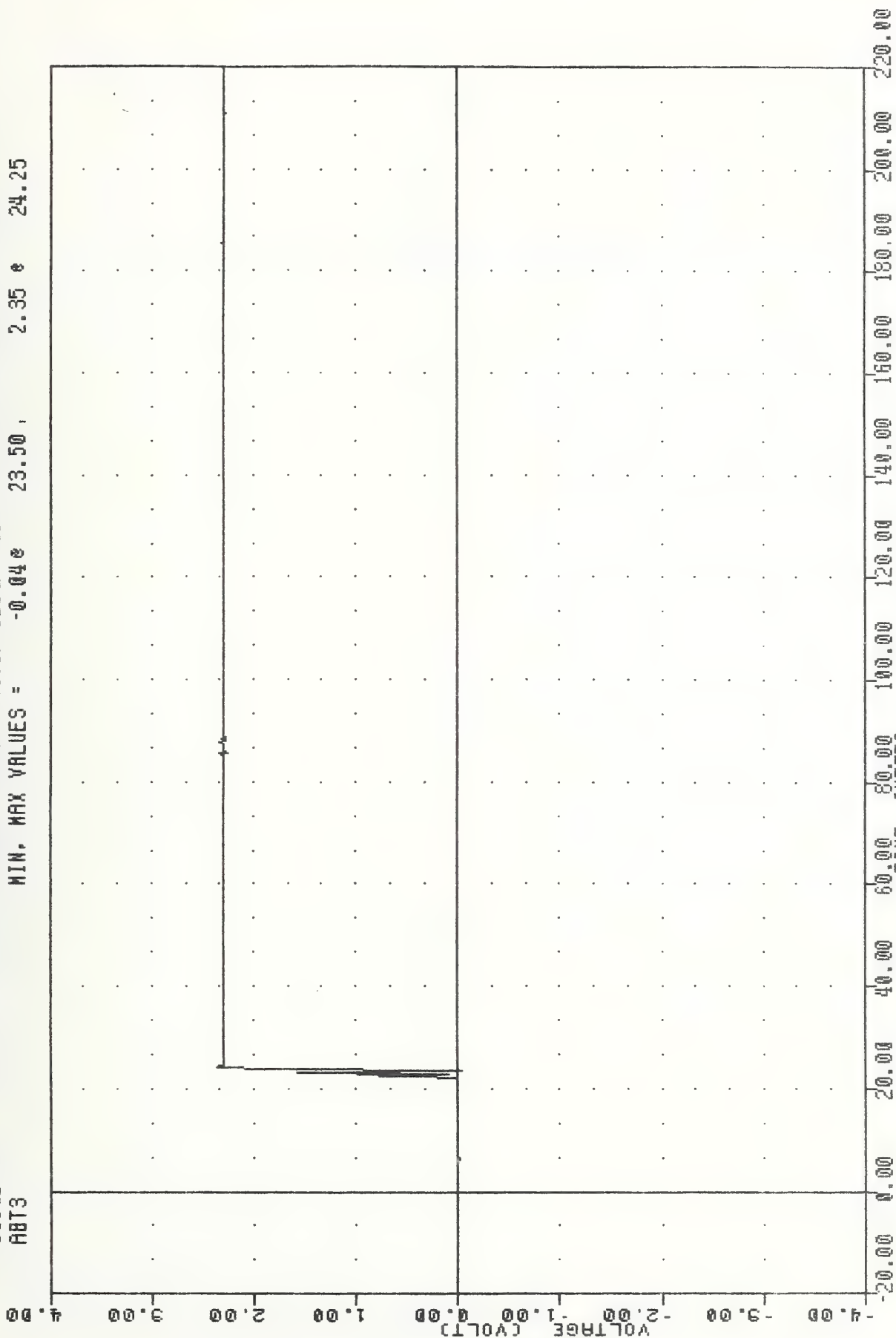
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 2

VRATC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
ABT3

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.04e 23.50 , 2.35 e 24.25



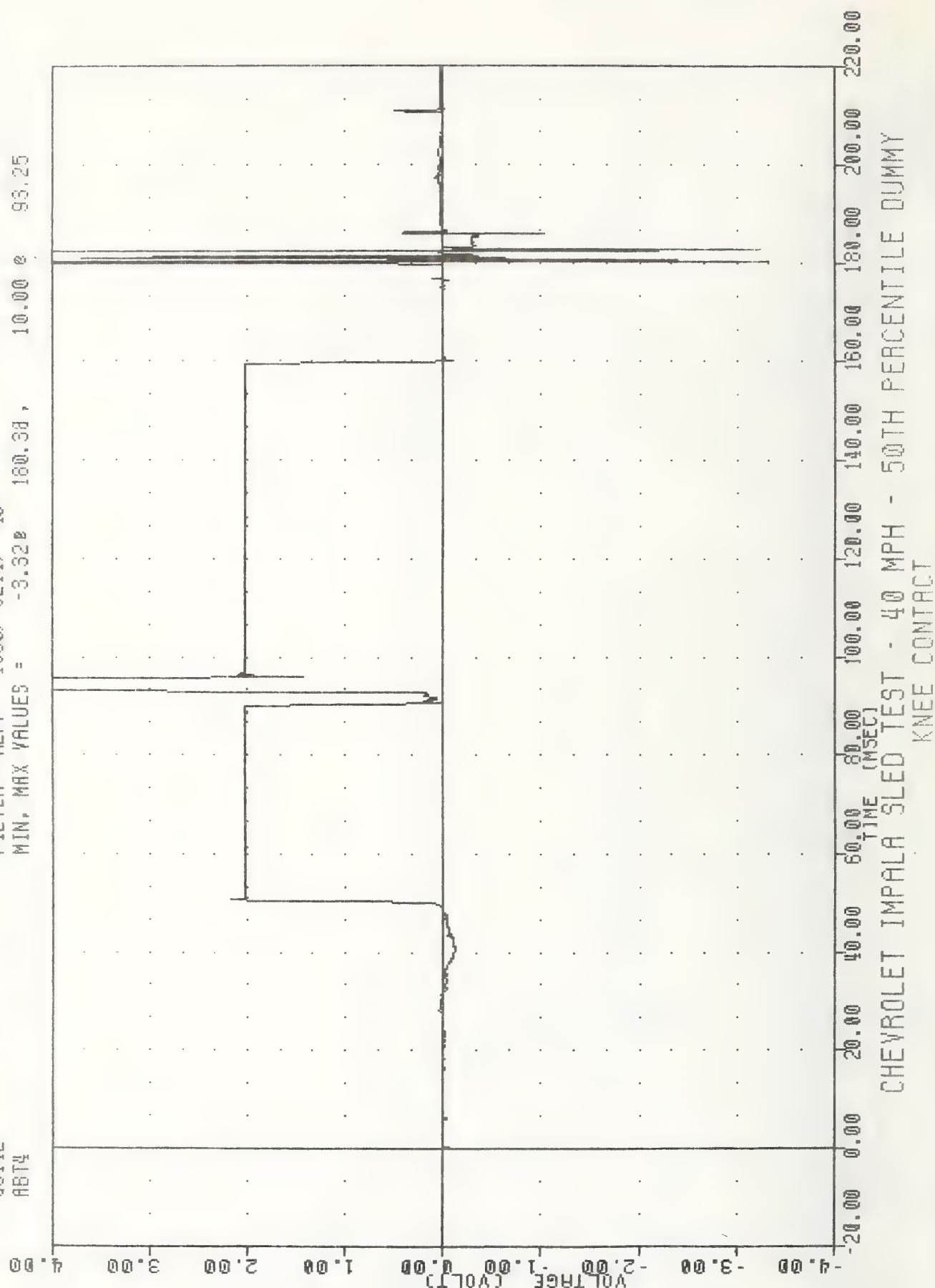
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
BREED B-PILLAR SENSOR

NRIC , R0384-4-37
BREED AIRBAG SLED PROGRAM
85142
ABT4

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.328 180.38, 10.00 93.25



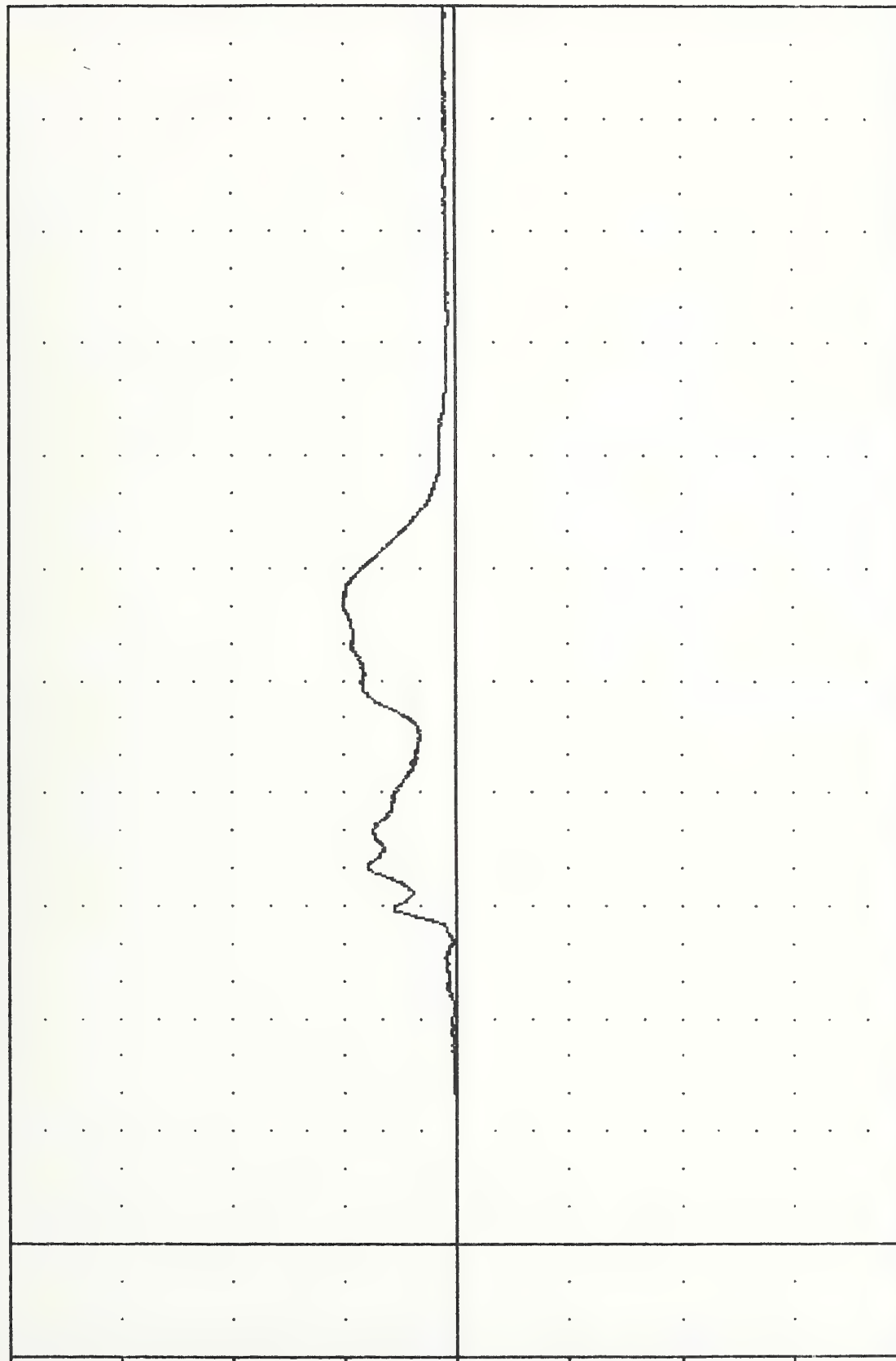
VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
HEDRG1

PLOT DATE 23-MAY-85 08:37:02

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.028 -12.00 , 50.63 e 114.75

ACCELERATION [g]



-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
CSTR61

PLOT DATE 23-MAY-85 08:37:02

FILTER = 8LPF 300/ 949/ -40
MIN, MAX VALUES = 0.010 -5.75, 52.83 @ 108.63

100.00

75.00

50.00

25.00

0.00

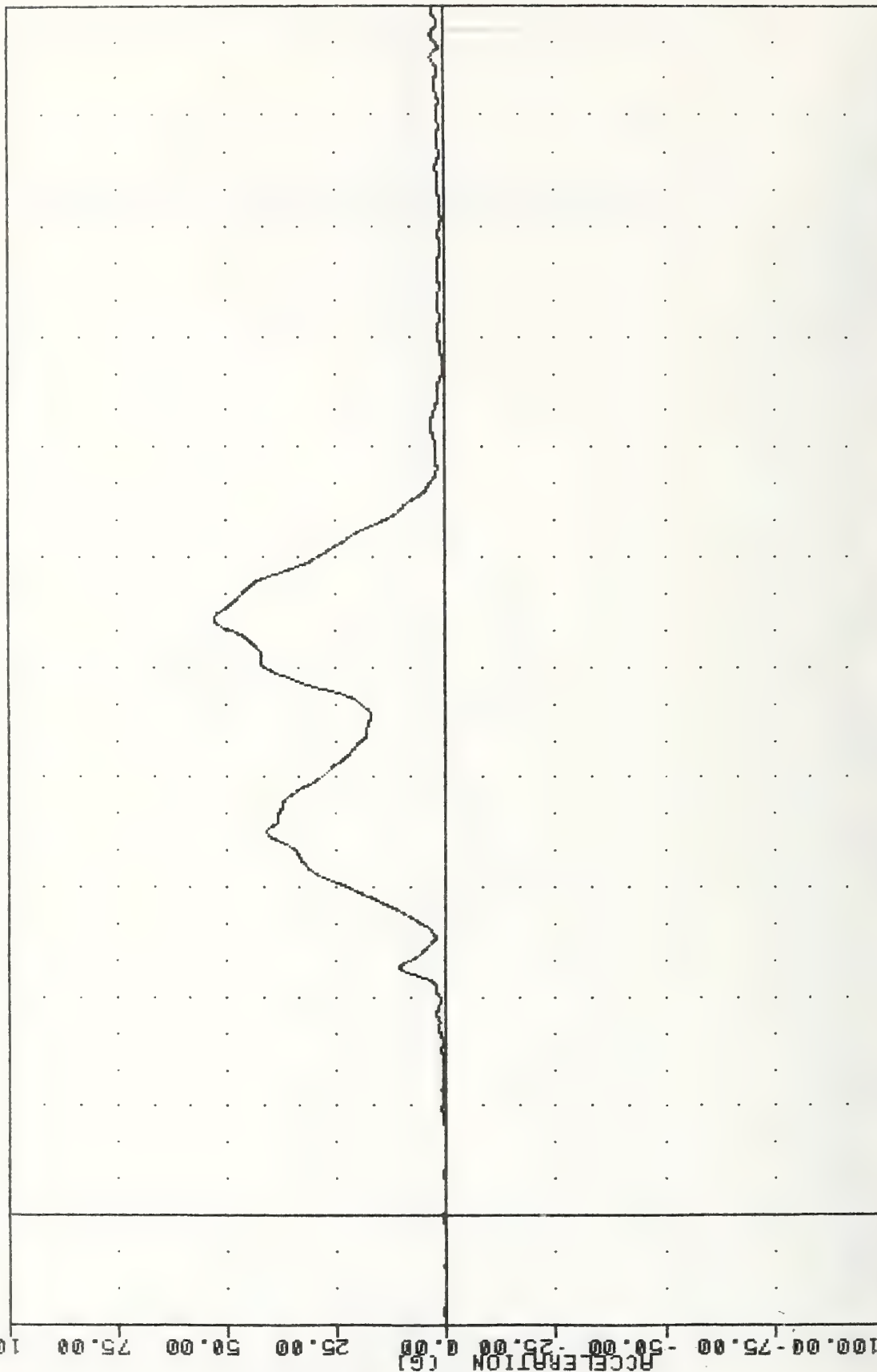
-25.00

-50.00

-75.00

-100.00

400



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

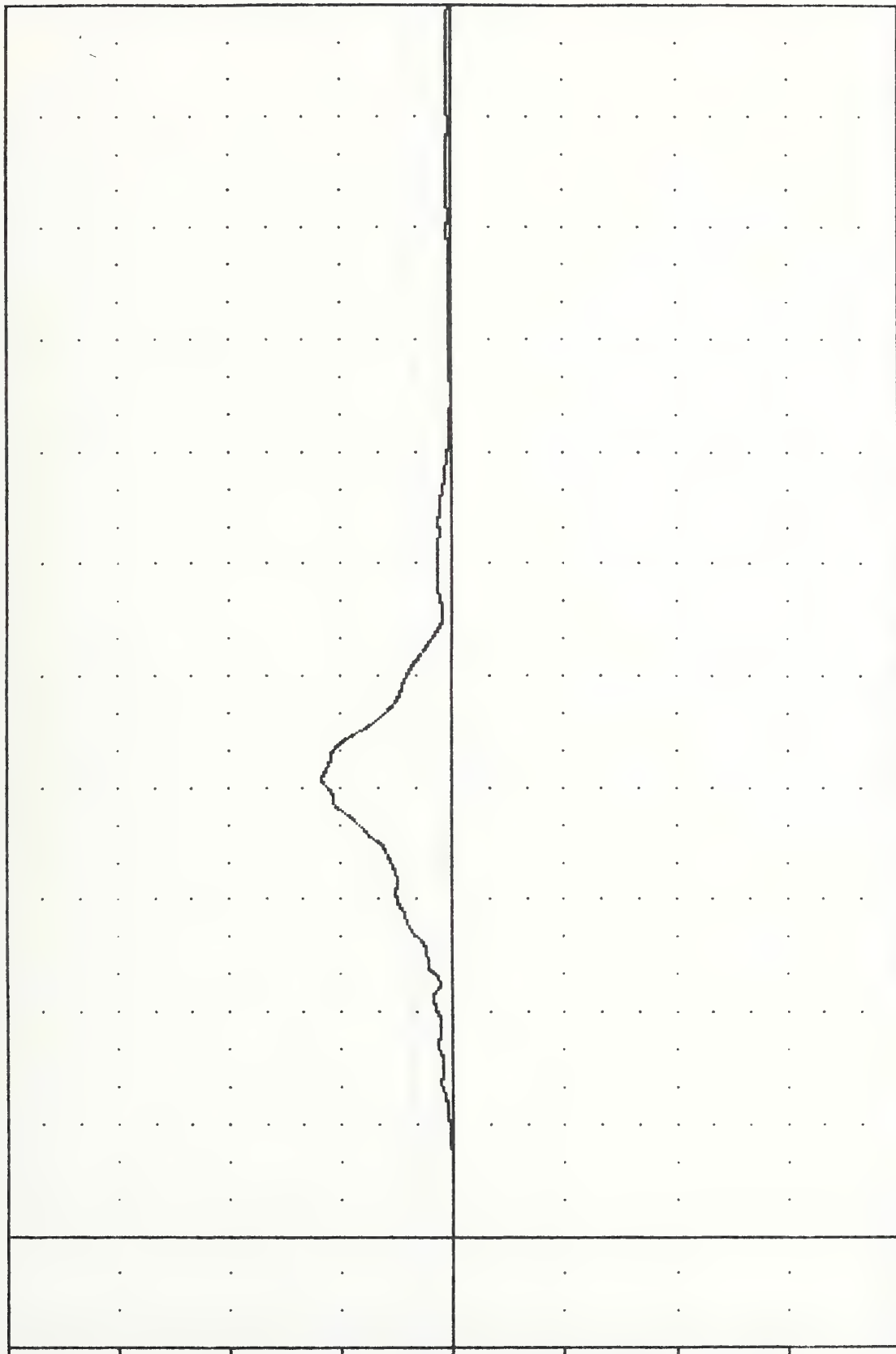
VRTC
 BREED AIRBAG SLED PROGRAM
 85142
 PEVR61

PLOT DATE 23-MAY-85 08:37:02

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.10e 5.88 58.42 e 81.50

ACCELERATION (G)



-200.00
 -150.00
 -100.00
 -50.00
 0.00
 50.00
 100.00
 150.00
 200.00
 220.00

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS RESULTANT

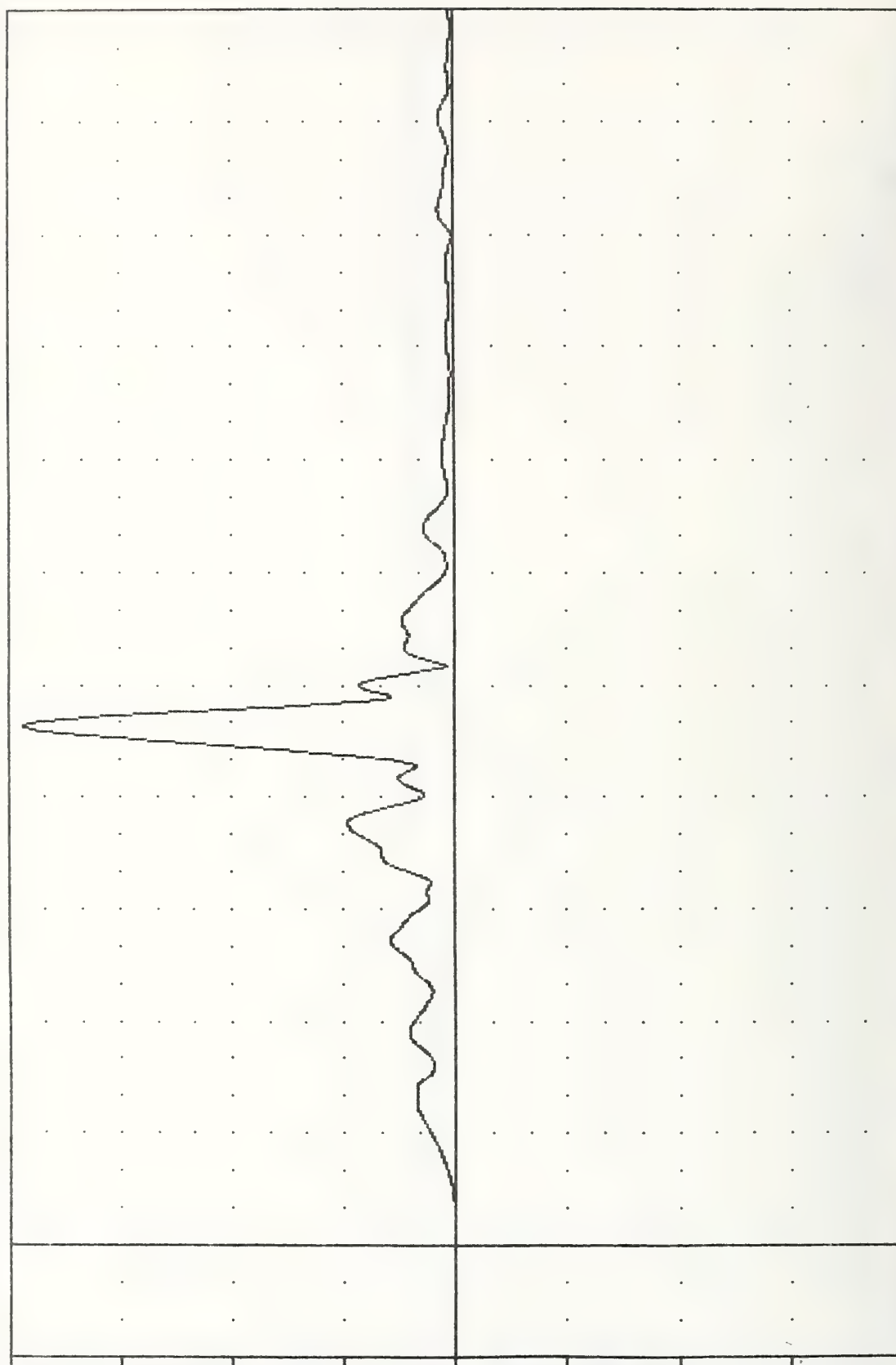
VRTC , R0384-4-37
BREED AIRBAG SLED PROGRAM
85142
STHRG

PLOT DATE 23-MAY-85 08:37:02

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = 0.11e -16.75, 193.16 e 92.63

ACCELERATION (G)



TIME (MSEC)

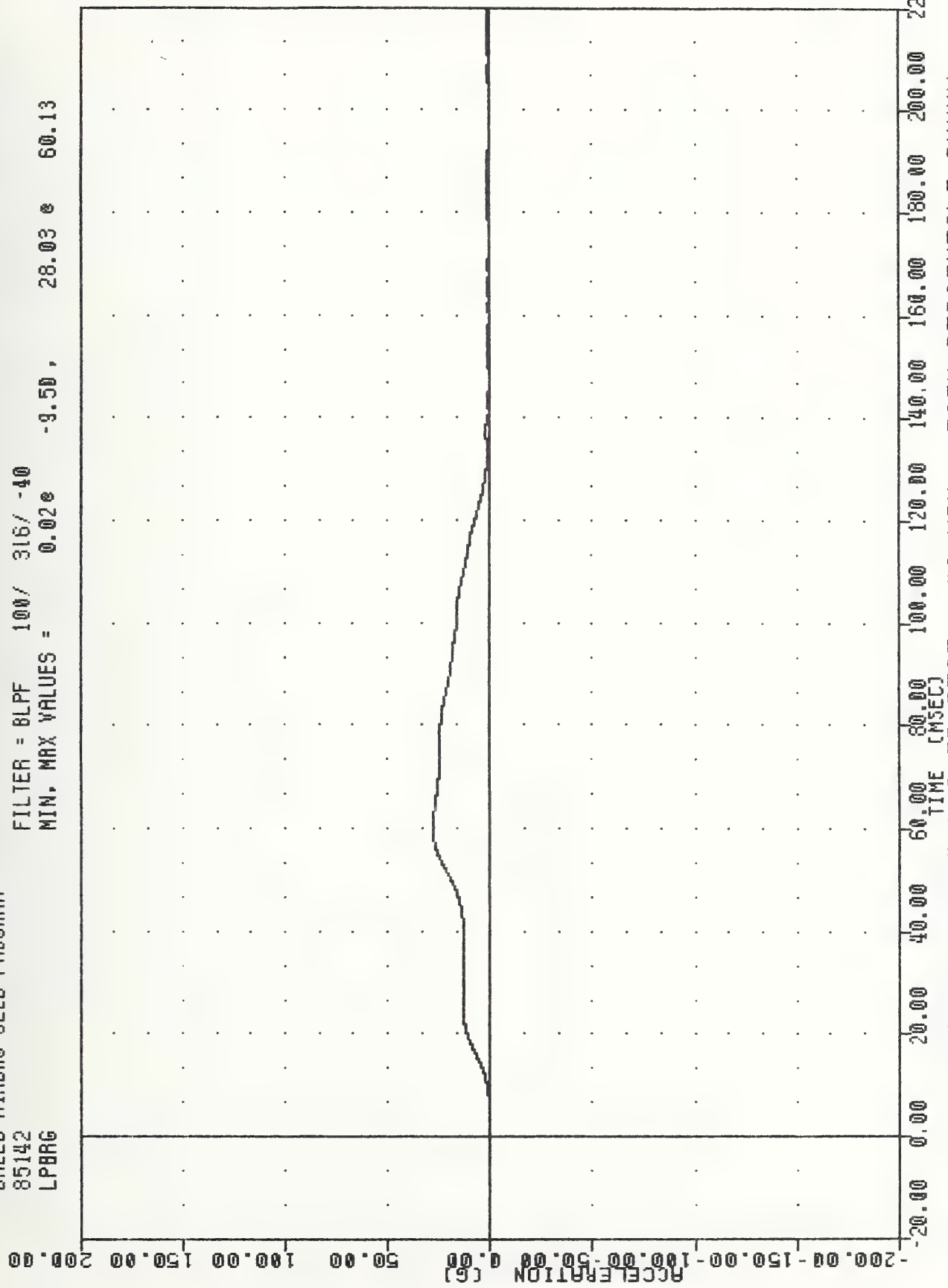
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

V81C , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 LPBAG

PLOT DATE 23-MAY-85 08:37:02

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.02e -9.50, 28.03 e 60.13

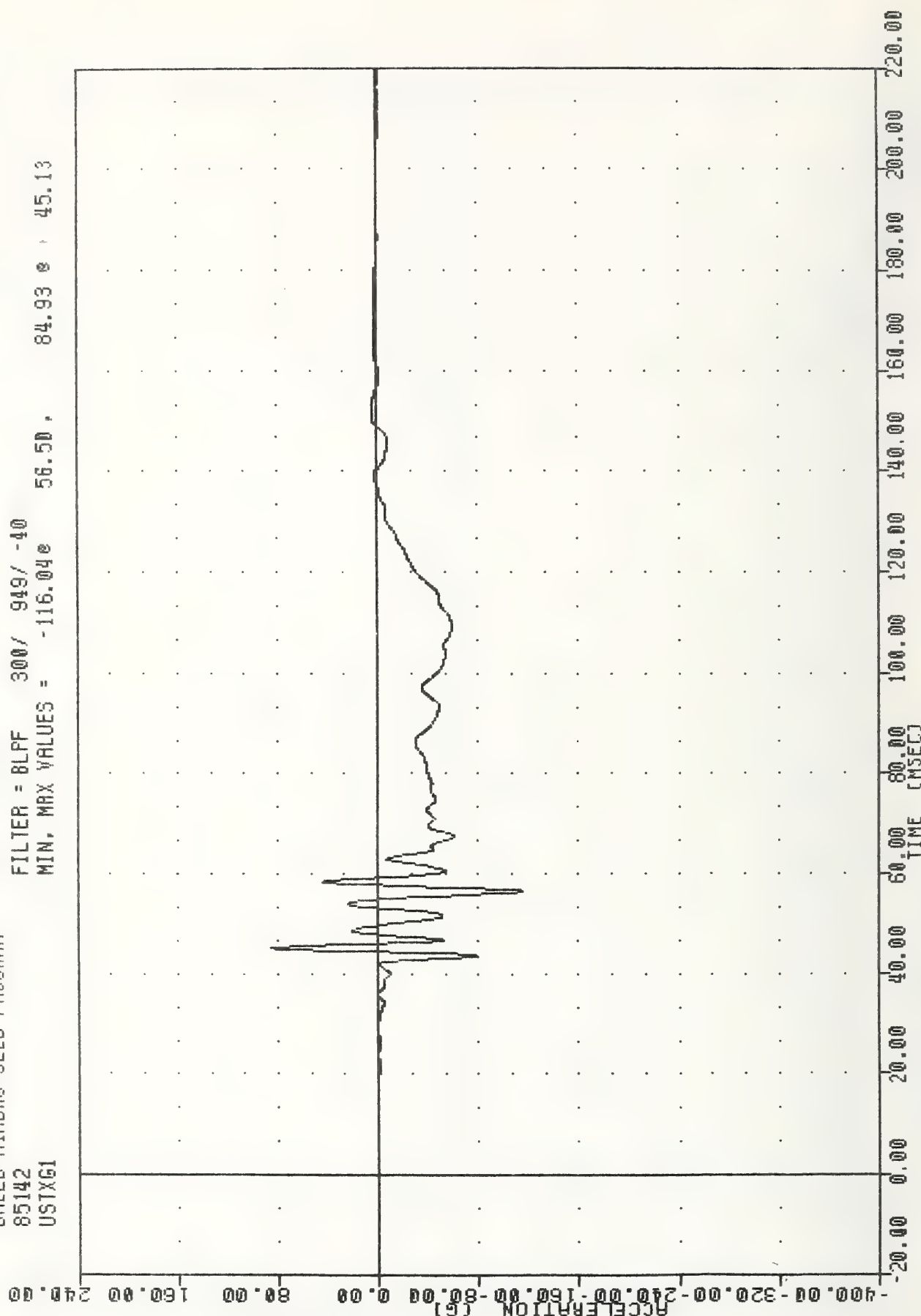


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 PILLAR LEFT B RESULTANT

VRTC , RD384-4-37
BRAED AIRBAG SLED PROGRAM
85142
USTXG1

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -116.04e 56.50 , 84.93 e 45.13



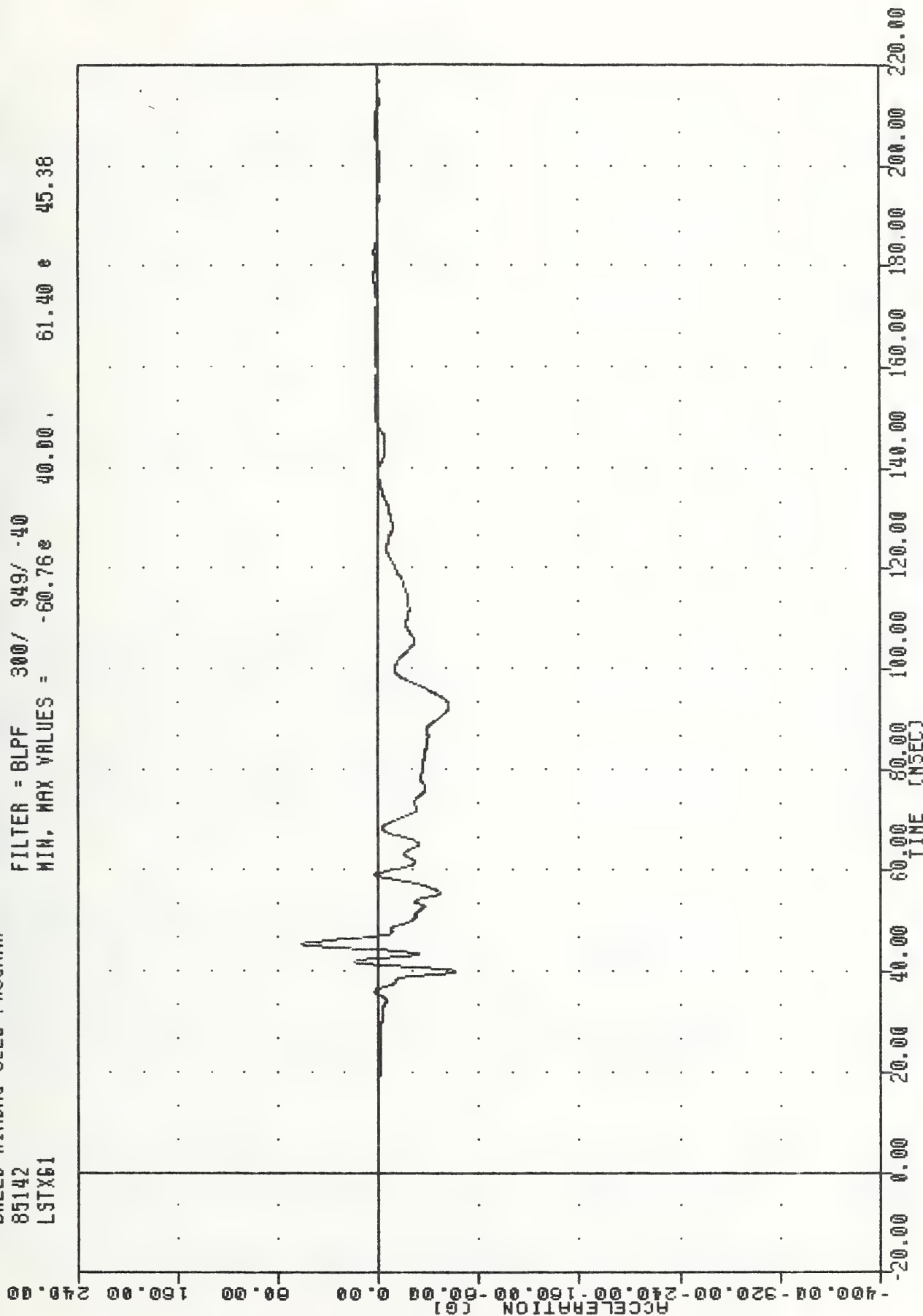
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
LSTX61

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -60.76e 40.00 , 61.40 e 45.38



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

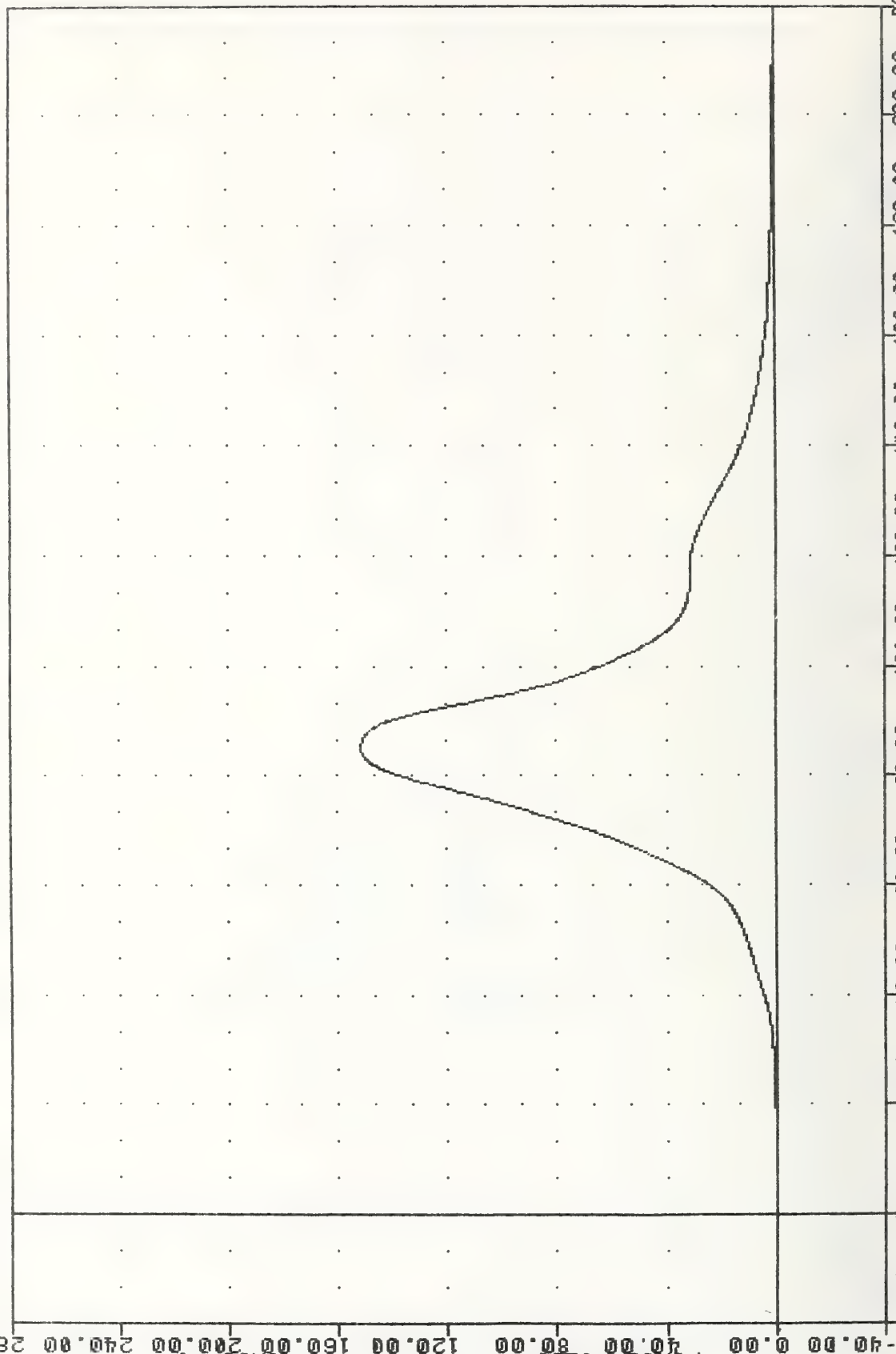
VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
LB0F1

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.15e 15.25, 1514.26 e 85.00

FORCE (LB)
(x10³)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (msec)

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER LAP BELT FORCE LBS

EVENT	Min value		Max value		Data Units	Filter
1	0.071 @	60.750	1.621 @	-19.250 msec	volt	ALPF 1650/ 5214/ -40
2	-32.692 @	113.625	0.139 @	-7.375 msec	mph	ALPF 100/ 316/ -40
3	-23.313 @	58.000	0.857 @	168.500 msec	g	BLPF 100/ 316/ -40
4	-40.808 @	77.750	8.392 @	108.875 msec	g	ALPF 1650/ 5214/ -40
5	-6.467 @	125.500	73.053 @	110.500 msec	g	ALPF 1650/ 5214/ -40
6	-15.333 @	113.000	31.363 @	105.625 msec	g	ALPF 1650/ 5214/ -40
7	-37.127 @	76.750	6.221 @	156.625 msec	g	BLPF 300/ 949/ -40
8	-1.778 @	181.625	28.812 @	118.000 msec	g	BLPF 300/ 949/ -40
9	-6.563 @	78.375	5.126 @	112.125 msec	g	BLPF 300/ 949/ -40
10	-175.297 @	60.250	77.196 @	58.125 msec	g	BLPF 300/ 949/ -40
11	-73.550 @	58.375	72.059 @	48.625 msec	g	BLPF 300/ 949/ -40
12	-38.234 @	82.375	7.152 @	149.625 msec	g	BLPF 300/ 949/ -40
13	-10.778 @	82.875	12.758 @	102.000 msec	g	BLPF 300/ 949/ -40
14	-13.680 @	75.000	2.452 @	162.750 msec	g	BLPF 300/ 949/ -40
15	-1284.557 @	97.875	2.371 @	-3.250 msec	lb	BLPF 1000/ 3162/ -40
16	-1130.574 @	82.000	17.189 @	123.750 msec	lb	BLPF 1000/ 3162/ -40
17	-51.275 @	104.000	23.151 @	86.625 msec	g	BLPF 100/ 316/ -40
18	-11.422 @	86.125	20.766 @	102.750 msec	g	BLPF 100/ 316/ -40
19	-34.154 @	86.375	40.891 @	95.375 msec	g	BLPF 100/ 316/ -40
20	-22.826 @	62.000	1.600 @	169.500 msec	g	BLPF 100/ 316/ -40
21	-2.030 @	122.125	6.485 @	68.625 msec	g	BLPF 100/ 316/ -40
22	-1.768 @	52.375	3.046 @	33.500 msec	g	BLPF 100/ 316/ -40
23	-3.131 @	51.125	32.088 @	33.750 msec	psig	ALPF 1650/ 5214/ -40
24	-2.530 @	30.250	0.002 @	-15.125 msec	volt	ALPF 1650/ 5214/ -40
25	-9.998 @	87.875	0.950 @	87.000 msec	volt	ALPF 1650/ 5214/ -40
26	-0.056 @	21.000	2.305 @	26.000 msec	volt	ALPF 1650/ 5214/ -40
27	-2.083 @	119.750	10.000 @	117.625 msec	volt	ALPF 1650/ 5214/ -40

EVENT	Min value		Max value		Data Units	Filter
1	-28.184 @	134.500	-0.238 @	45.000 msec	mph	BLPF 300/ 949/ -40
2	-45.382 @	220.000	-0.228 @	-20.000 msec	in	BLPF 300/ 949/ -40
3	-29.530 @	136.375	-0.176 @	-8.500 msec	mph	BLPF 300/ 949/ -40
4	-45.010 @	220.000	-0.098 @	-20.000 msec	in	BLPF 300/ 949/ -40
5	-30.157 @	123.875	-0.374 @	-17.875 msec	mph	BLPF 300/ 949/ -40
6	-46.177 @	220.000	-0.205 @	-20.000 msec	in	BLPF 300/ 949/ -40
7	-32.234 @	116.625	0.036 @	-16.500 msec	mph	BLPF 300/ 949/ -40
8	-61.473 @	220.000	0.023 @	-4.500 msec	in	BLPF 300/ 949/ -40
9	-28.260 @	108.375	0.138 @	-20.000 msec	mph	BLPF 300/ 949/ -40
10	-50.388 @	220.000	0.102 @	7.250 msec	in	BLPF 300/ 949/ -40
11	-30.712 @	117.750	0.019 @	-12.750 msec	mph	BLPF 300/ 949/ -40
12	-57.587 @	220.000	0.002 @	-7.875 msec	in	BLPF 300/ 949/ -40

EVENT	Min value		Max value		Data Units	Filter
1	0.055 @	8.250	73.069 @	110.625 msec	g	ALPF 1650/ 5214/ -40
2	0.028 @	-1.250	37.656 @	76.750 msec	g	BLPF 300/ 949/ -40
3	0.047 @	-0.250	41.271 @	82.500 msec	g	BLPF 300/ 949/ -40
4	0.123 @	-20.000	59.886 @	95.500 msec	g	BLPF 100/ 316/ -40
5	0.104 @	3.750	23.316 @	61.875 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC445RP.RAD;1
VRTC RD384-4-38 BREED AIRBAG SLED PROGRAM
85143 30.00 mph

* * * HIC computation for HEDRG1 23-MAY-85 13:12
Using time range = 0.000 to 118.375 msec Peak accel = 73.07 @ 110.625
HIC = 346.06 Interval from 68.000 [705] to 115.875 [1088]
HIC = 222.63 Interval from 105.250 [1003] to 114.750 [1079]

R SYSP:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC445RP

File TRC445RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-38 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

ISLED.BREEDJTRC445RP.RAD;1 VRTC RD384-4-38
BREED AIRBAG SLED PROGRAM 30.0 mph 85143 23-MAY-85 12:58:27
Deltax: 0.125

3 MS CLIP PEAK: 36.57139

Please run LSTRAD on this channel for the full time
and give it to the Project manager to double-check peak

Enter channel name -> ^Z

Enter input filespec -> ^Z

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
EVENT

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.07e 60.75, 1.62 e -19.25

4.00

3.00

2.00

1.00

0.00

409

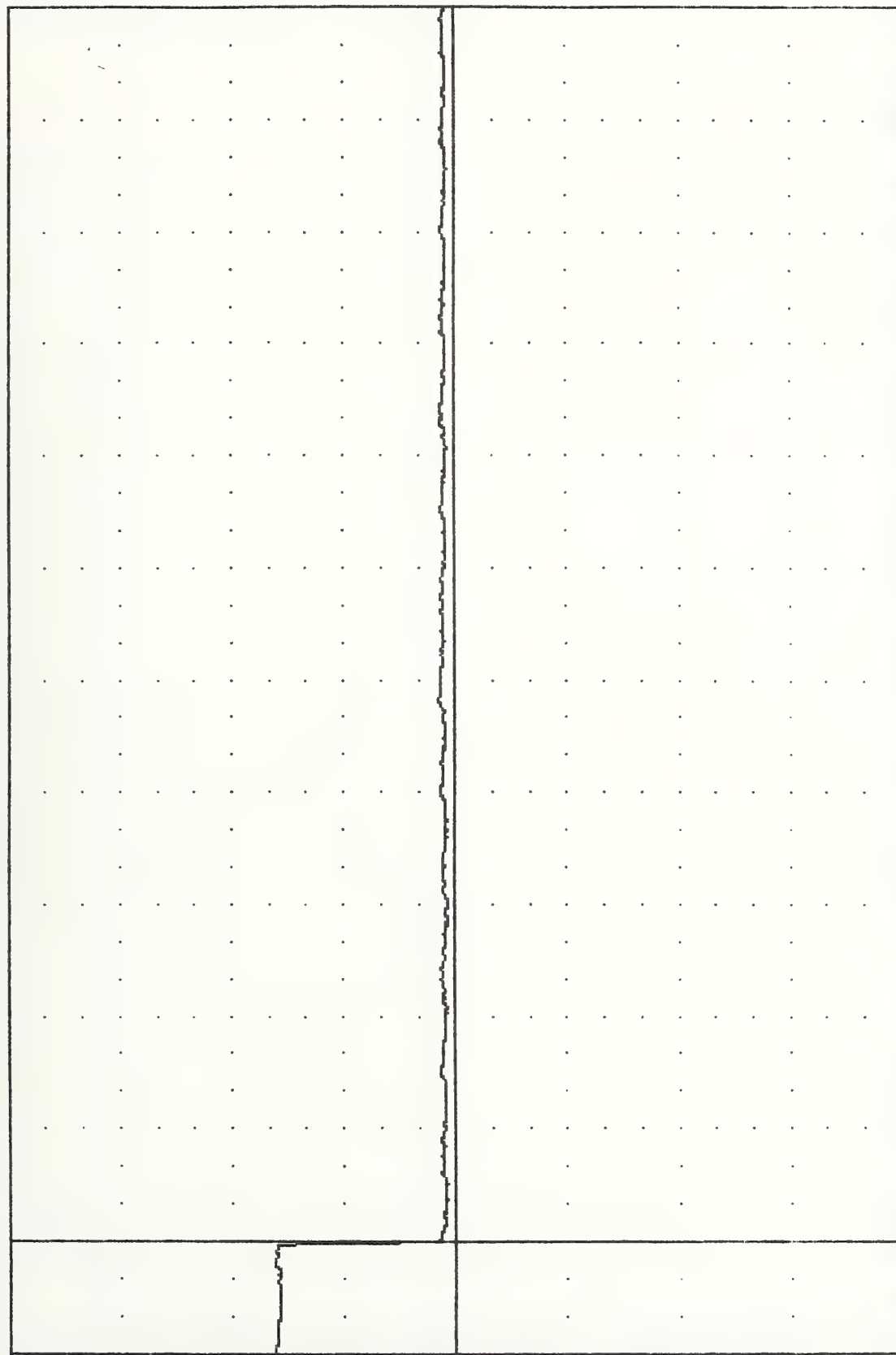
VOLTAGE (VOLT)

-1.00

-2.00

-3.00

-4.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
EVENT

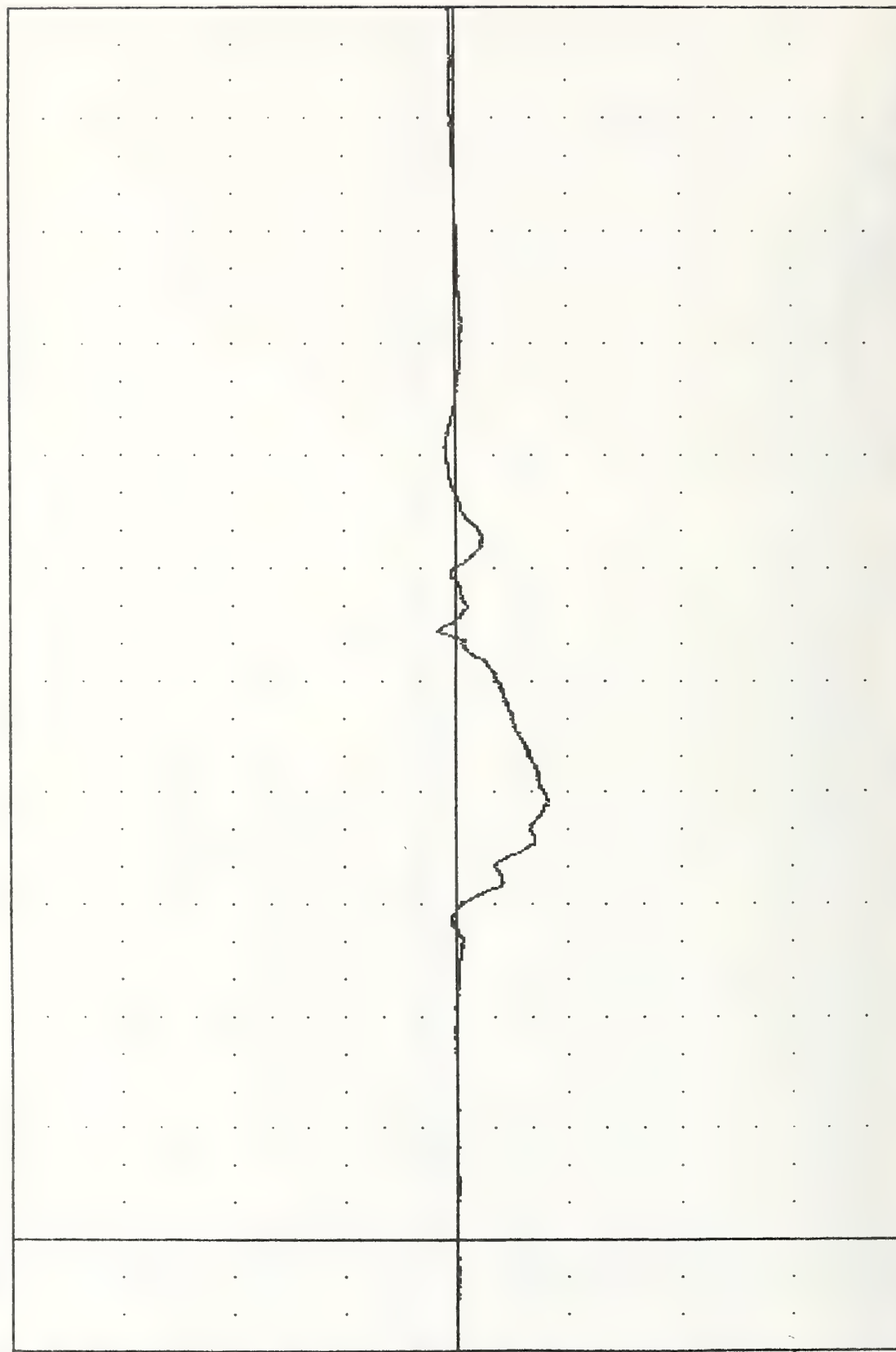
VRTC , RD384-4-33
BRAED AIRBAG SLED PROGRAM
85143
HEDX61

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -40.81g 77.75, 8.39 g 108.88

ACCELERATION (G)



410

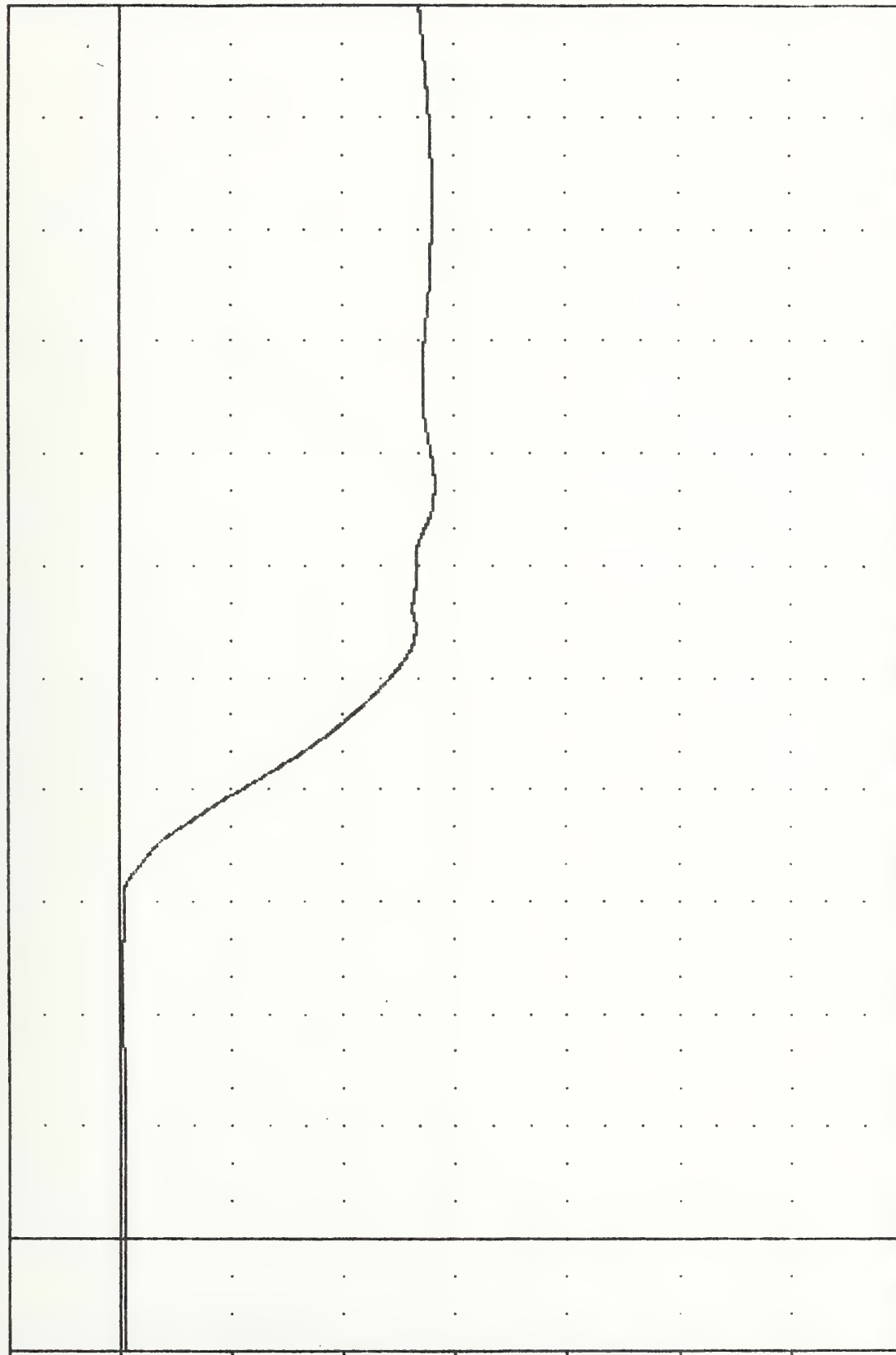
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
HEDXVI

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -28.18 134.50 , -0.24 e 45.00

10.00
0.00
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
-90.00
-100.00
-110.00
-120.00
-130.00
-140.00
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-890.00
-900.00
-910.00
-920.00
-930.00
-940.00
-950.00
-960.00
-970.00
-980.00
-990.00
-1000.00



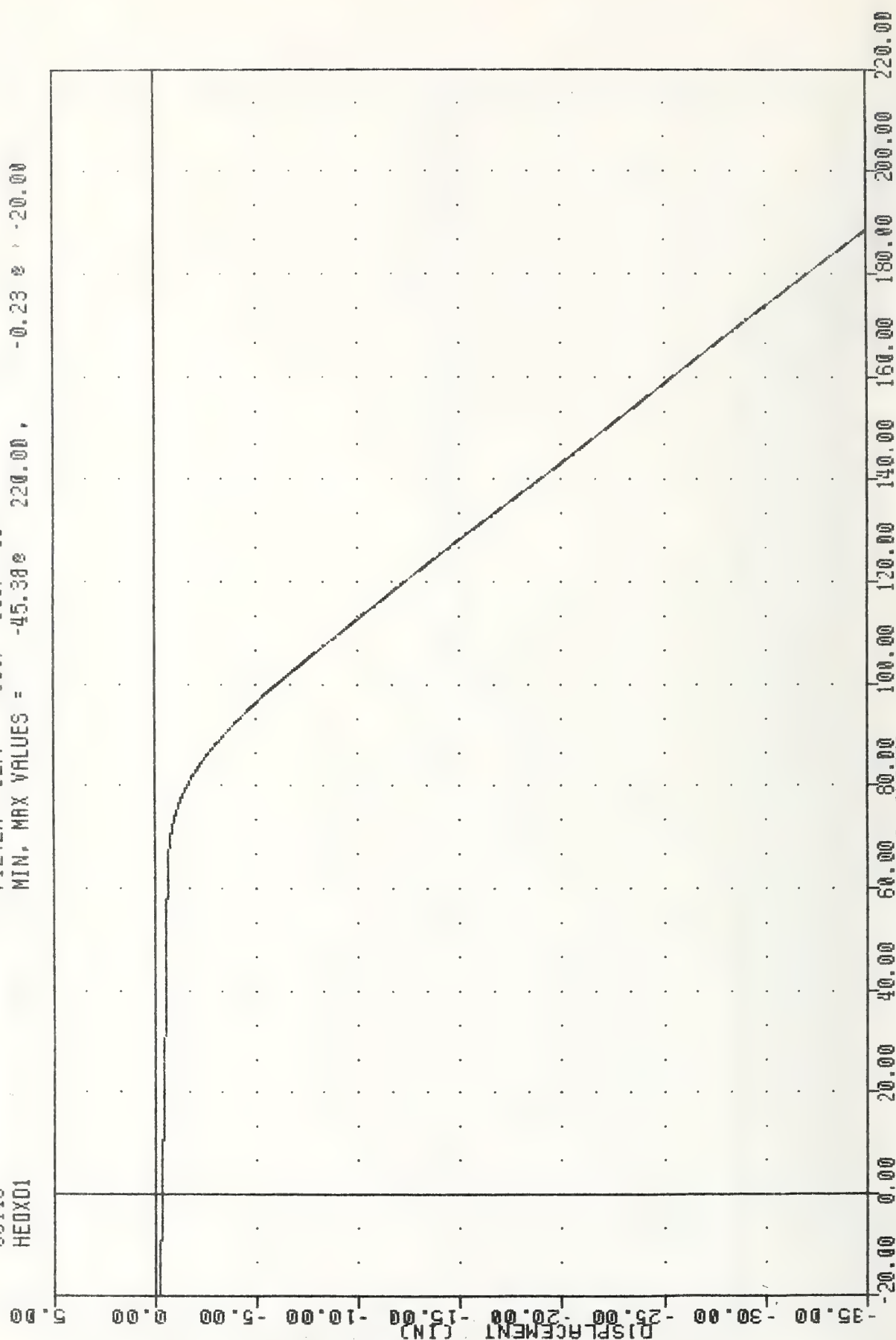
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
HEDX01

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -45.38e 220.00 , -0.23 e -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING HEDXV1

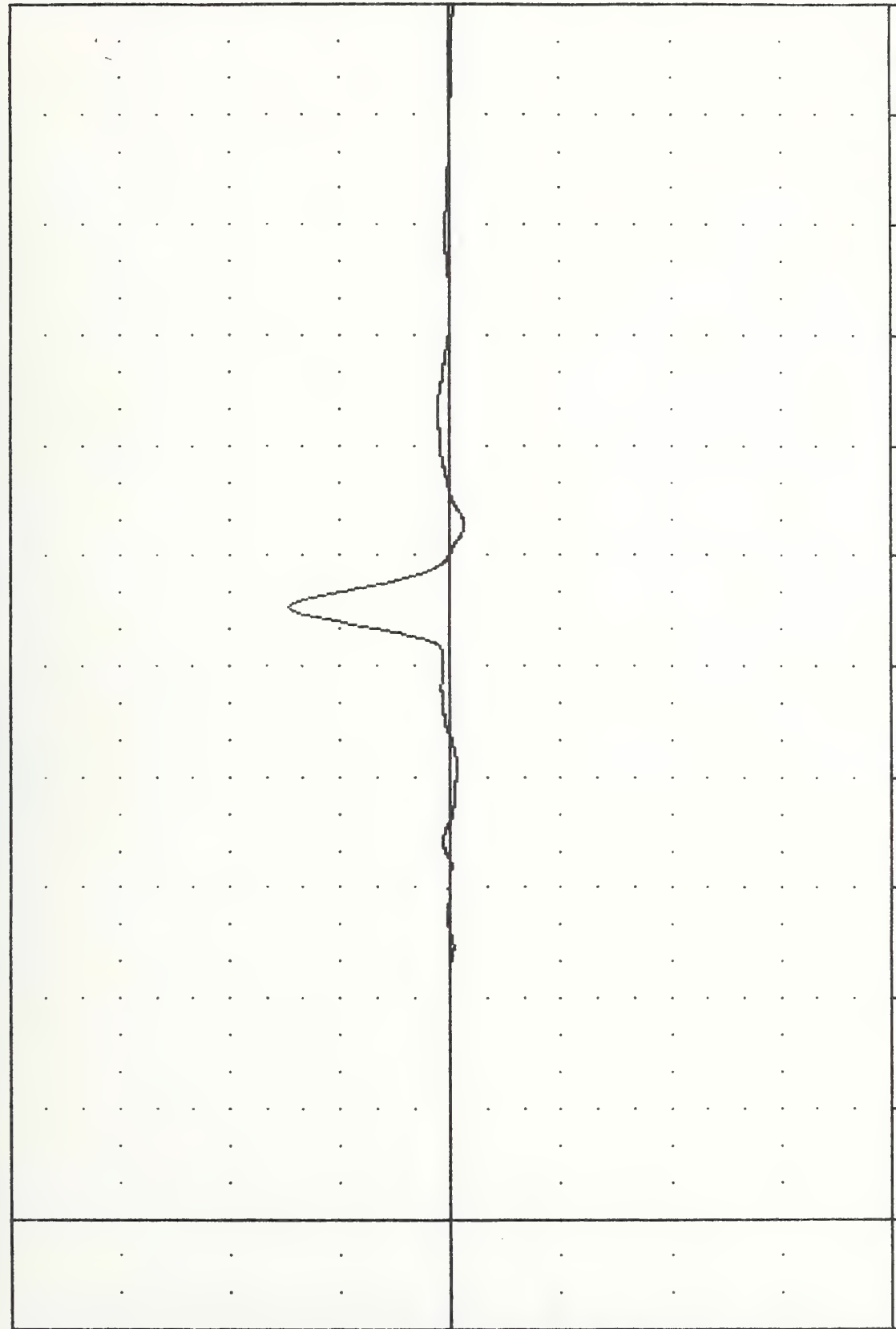
VATC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
HEDY61

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -6.478 125.50 , 73.05 e 110.50

ACCELERATION (G)



-200.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Y AXIS

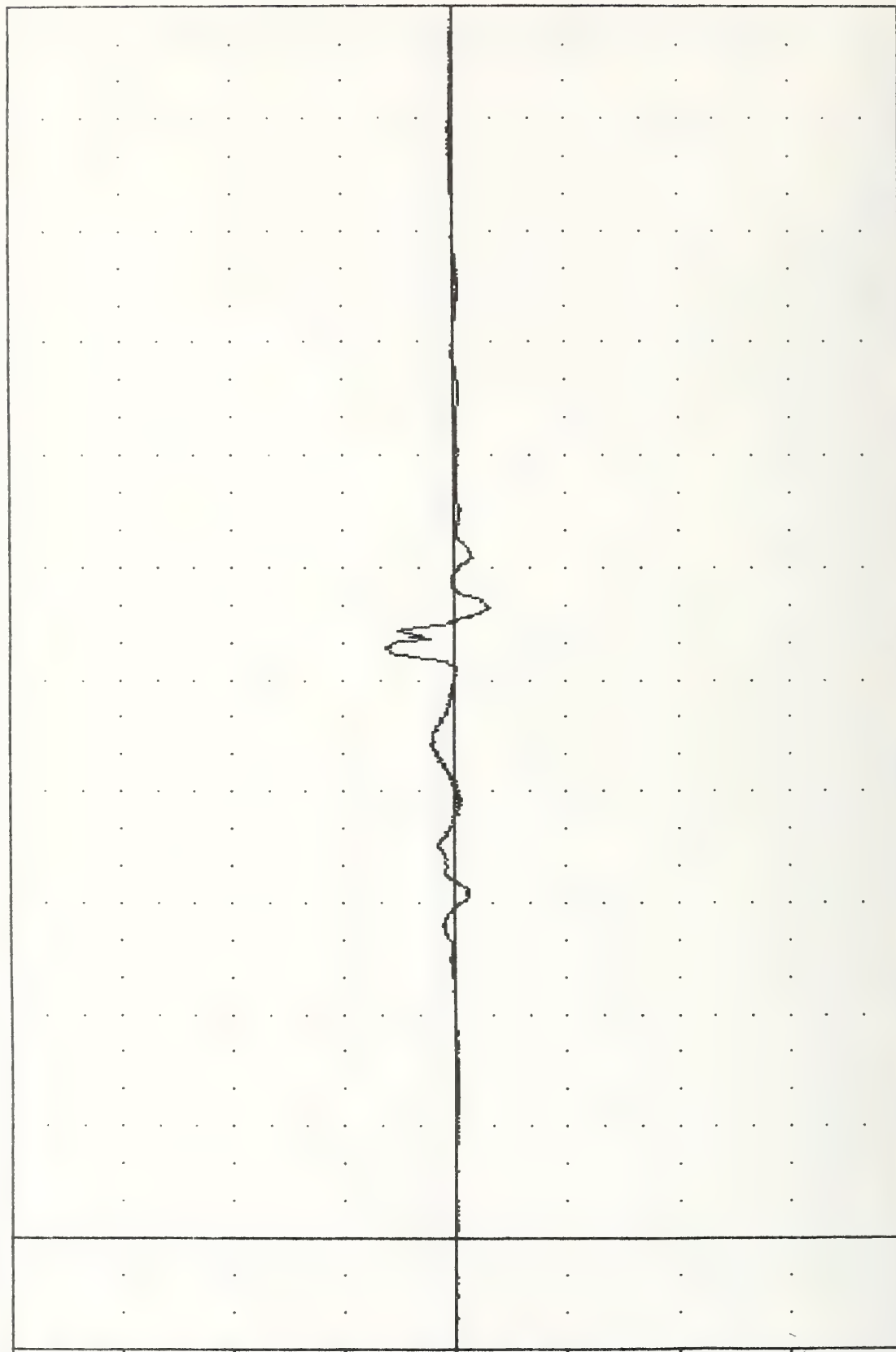
VRTC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 HEDZ61

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -15.33E 113.00 , 31.36 E 105.63

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

DRIVER HEAD ACCELERATION Z AXIS

VRIC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 CSTXG1

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -37.13e 76.75, 6.22 e 156.63

100.00

75.00

50.00

25.00

0.00

ACCELERATION (G)

-25.00

-50.00

-75.00

-100.00

-20.00

TIME (MSEC)

0.00

20.00

40.00

60.00

80.00

100.00

120.00

140.00

160.00

180.00

200.00

220.00

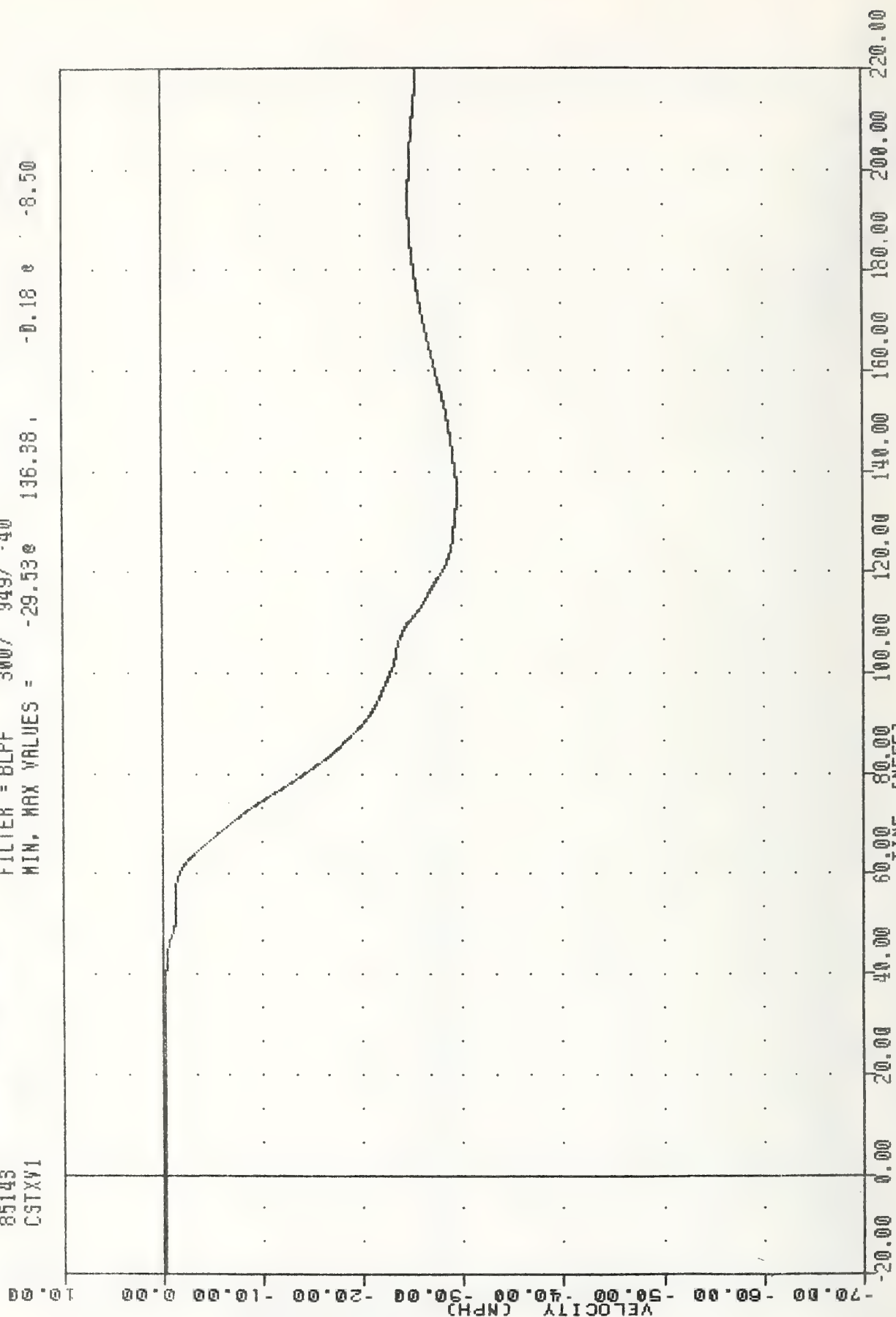
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION X AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85143
CSTXV1

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -29.530 136.38, -0.18 0 -8.50

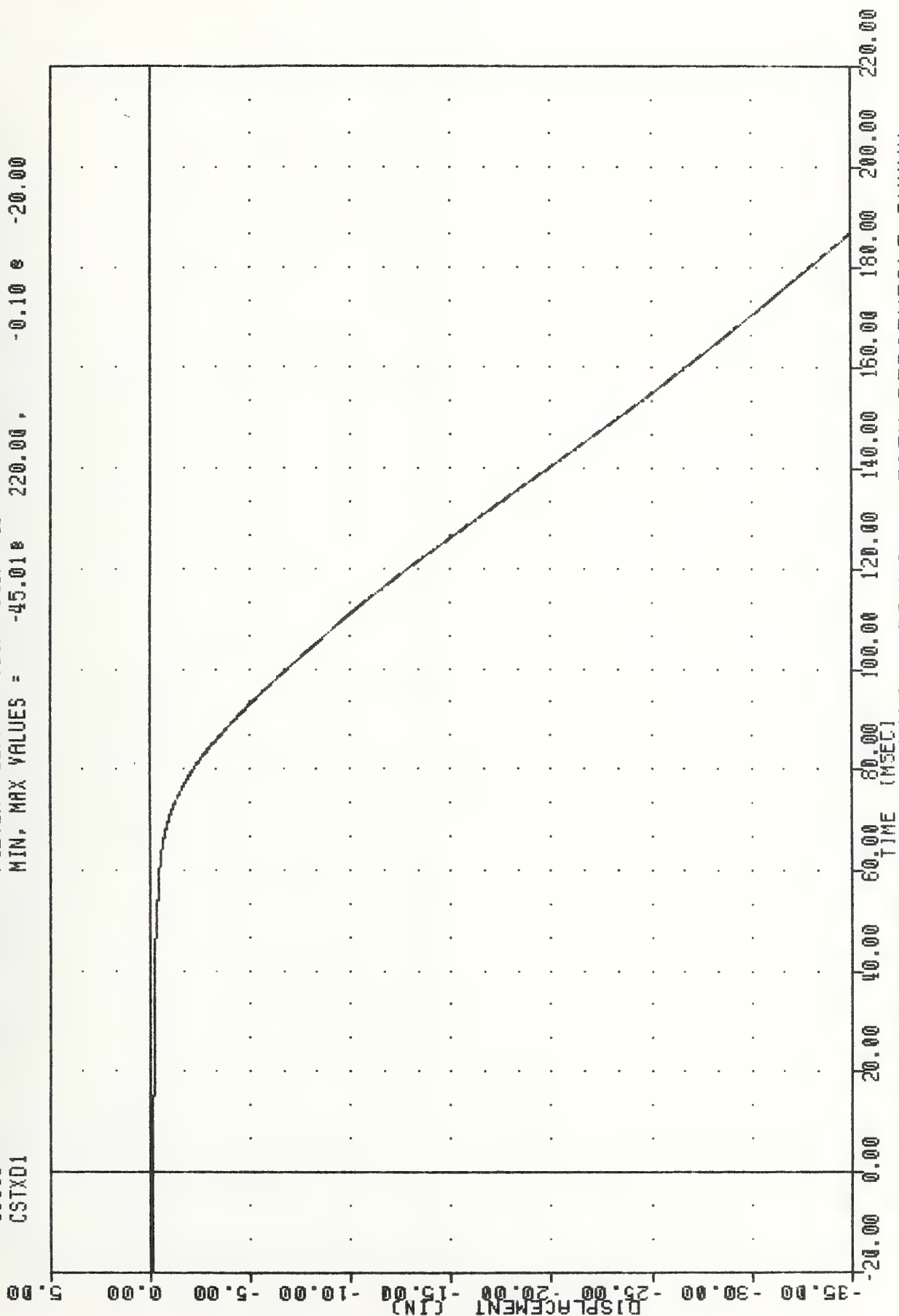


VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
CSTXD1

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -45.018 220.00, -0.108 -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXV1

VATC , RD384-4-38
BRAED AIRBAG SLED PROGRAM
85143
CSTY61

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -1.78e 181.63, 28.81 e 118.00

100.00

75.00

50.00

25.00

0.00

-25.00

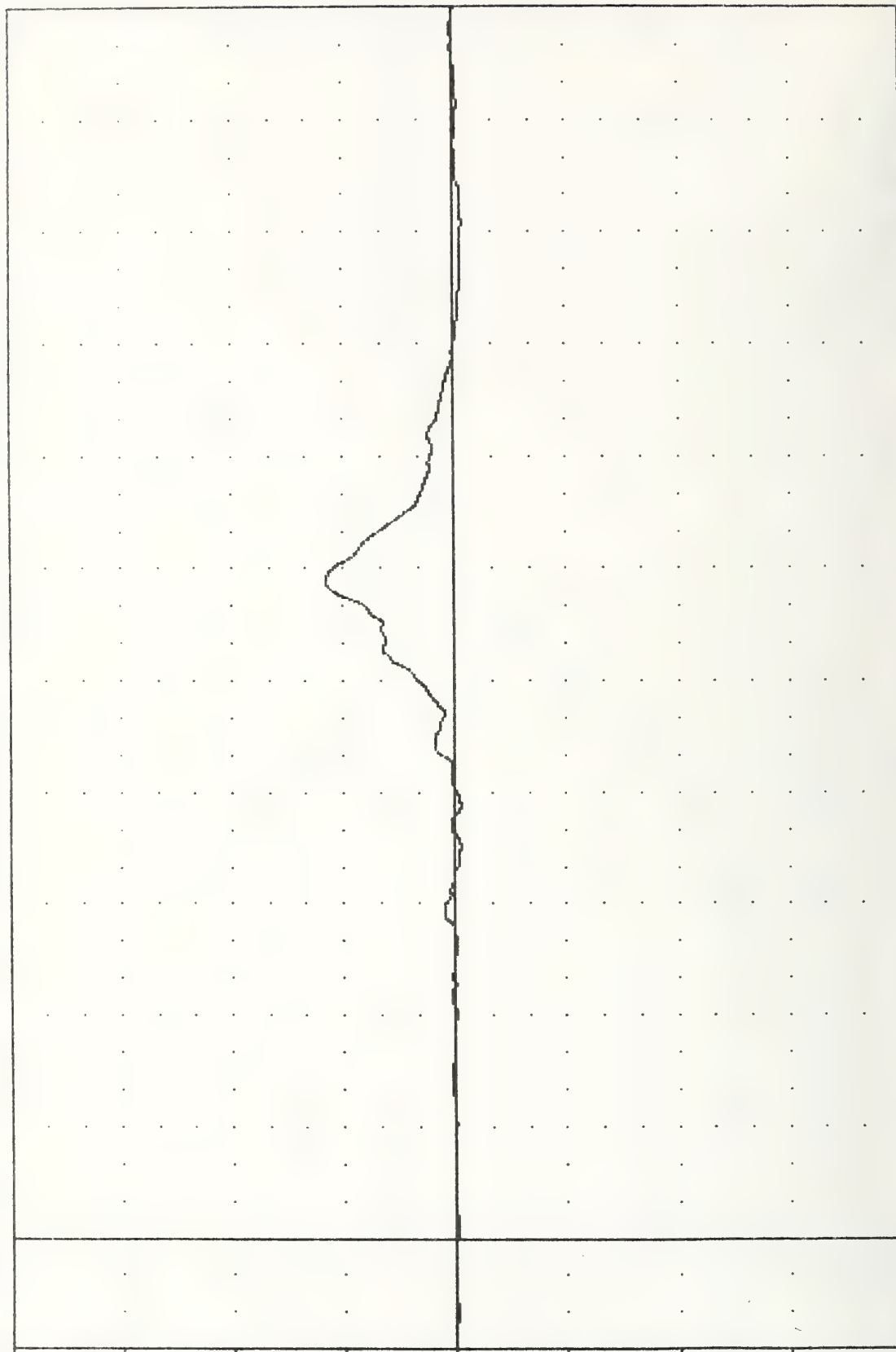
-50.00

-75.00

-100.00

ACCELERATION (G)

418



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC , R0384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 CSTZG1

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -6.56 78.38 5.13 112.13

100.00

75.00

50.00

25.00

0.00

-25.00

-50.00

-75.00

-100.00

ACCELERATION (G)

-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

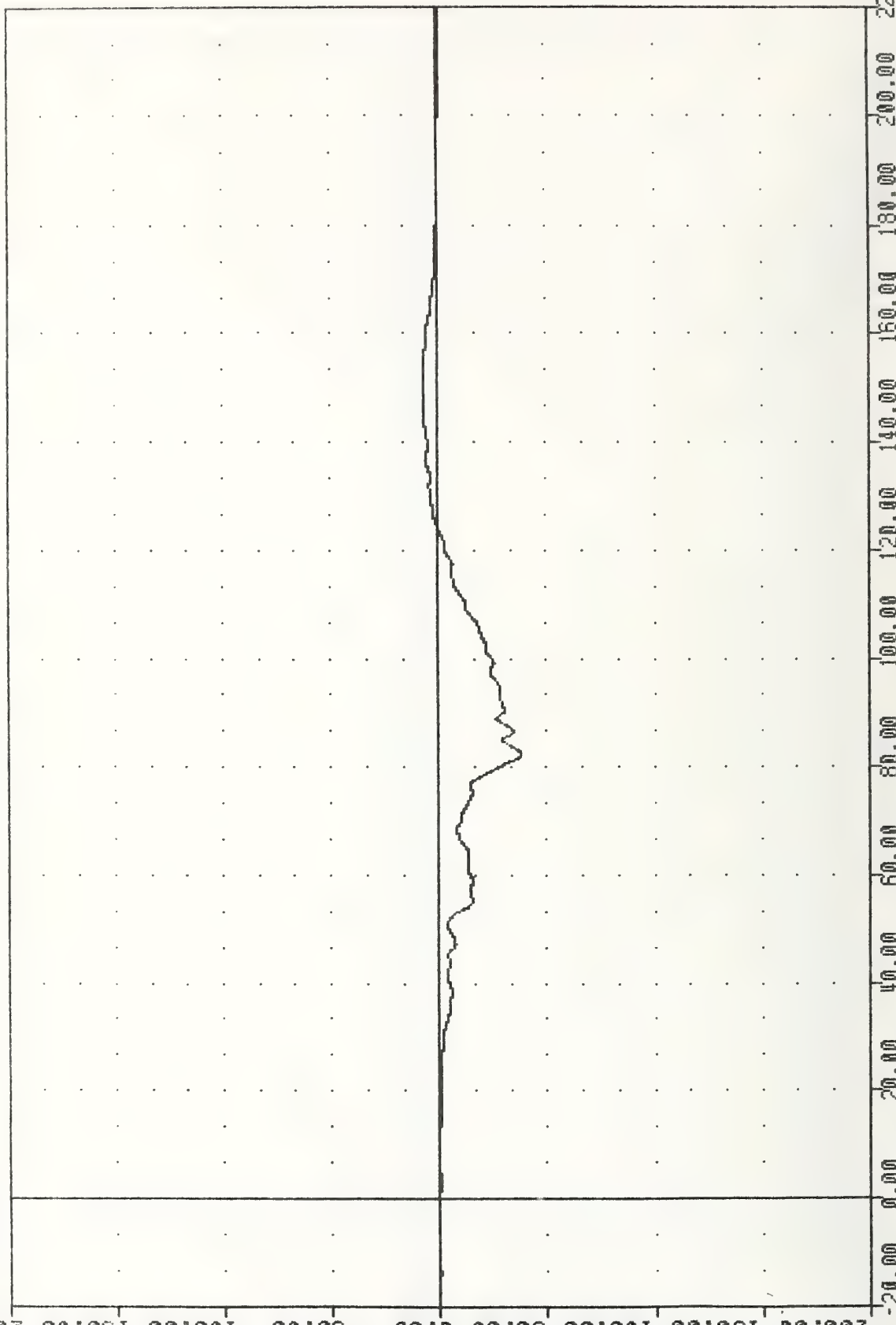
VRTC , R0384-4-38
BRAED AIRBAG SLED PROGRAM
85143
PEVX61

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -38.23e 82.38, 7.15 e 149.63

ACCELERATION [G]



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRIC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
PEVXV1

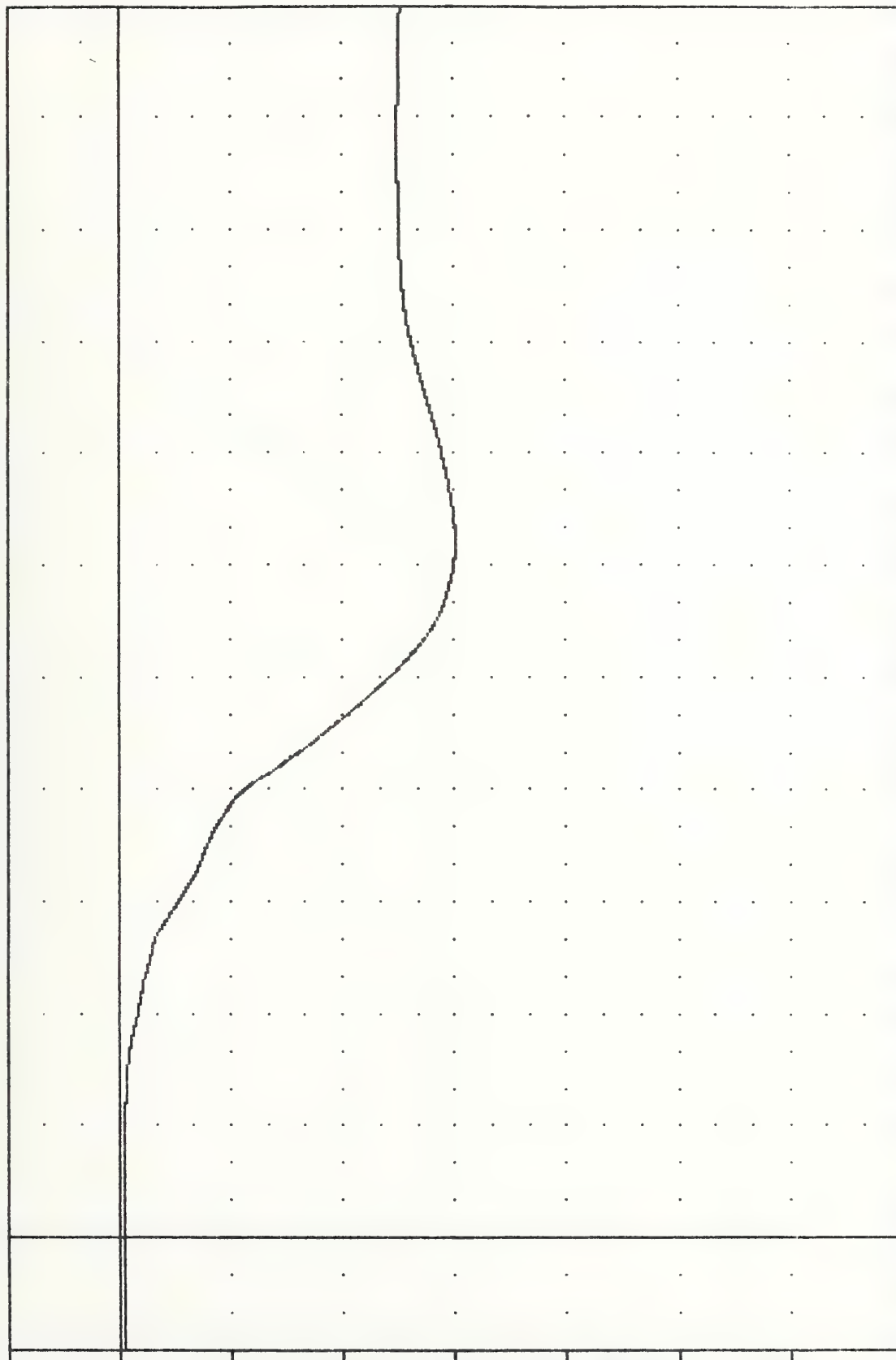
PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -30.16e 123.88, -0.37 e -17.88

10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
-90.00
-100.00
-110.00
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-920.00
-930.00
-940.00
-950.00
-960.00
-970.00
-980.00
-990.00
-1000.00

VELOCITY (MPH)



220.00
200.00
180.00
160.00
140.00
120.00
100.00
80.00
60.00
40.00
20.00
0.00
-20.00
-40.00
-60.00
-80.00
-100.00
-120.00
-140.00
-160.00
-180.00
-200.00
-220.00
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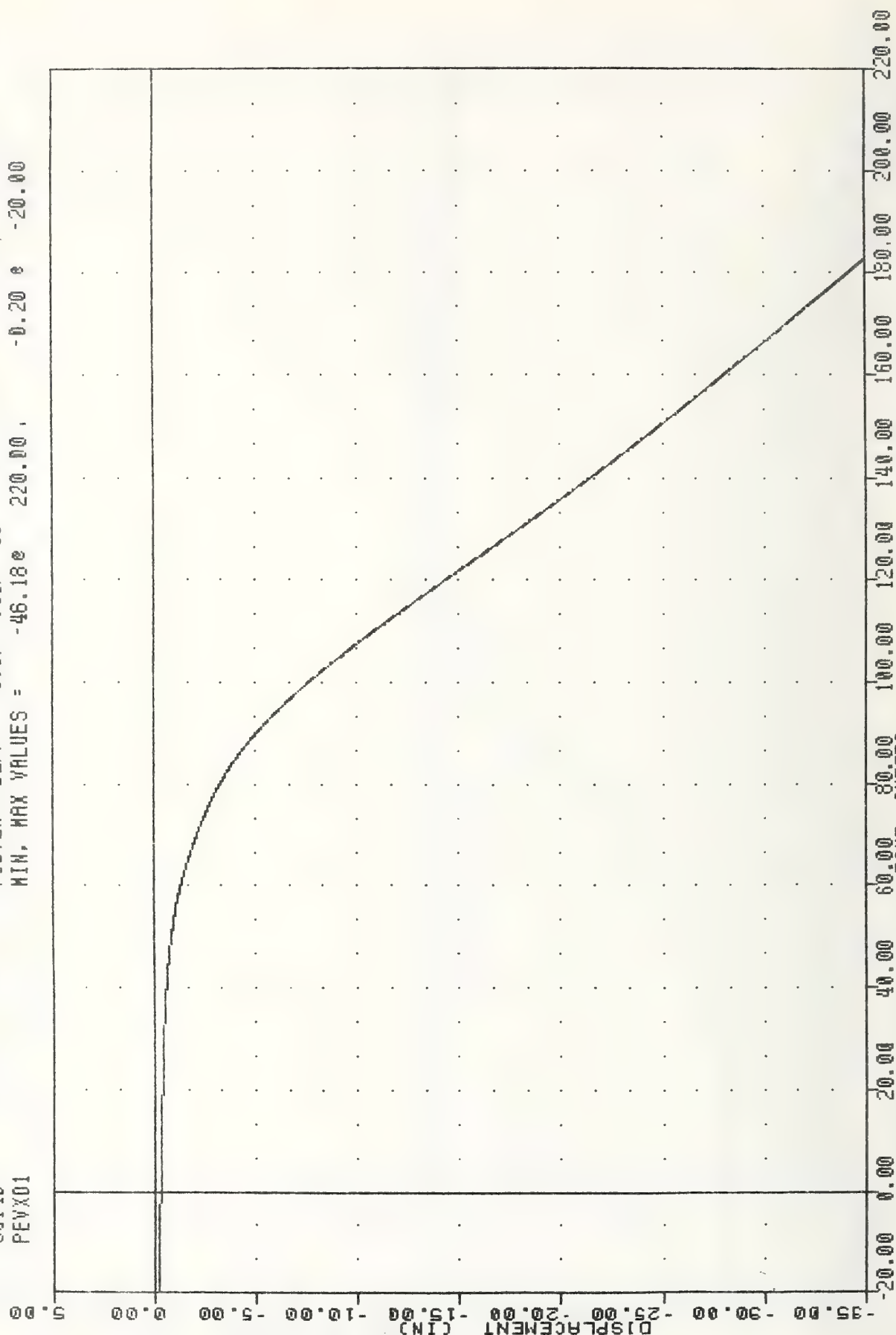
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEVXG1

VRTC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 PEVX01

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -46.18e 220.00 , -0.20 e -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

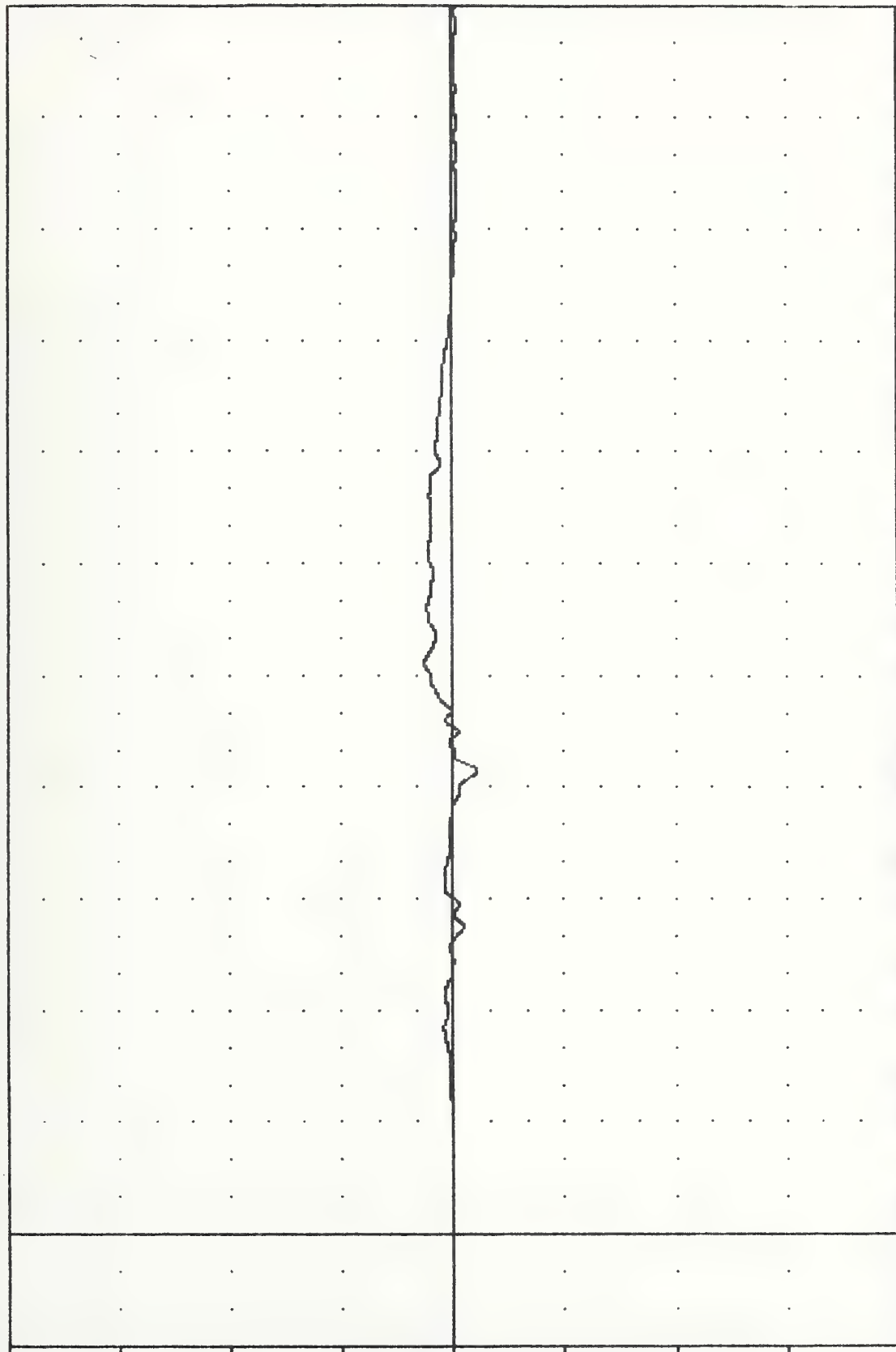
DELTA X USING PEVXV1

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
PEYVG1

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -10.78 82.88 , 12.76 102.00

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

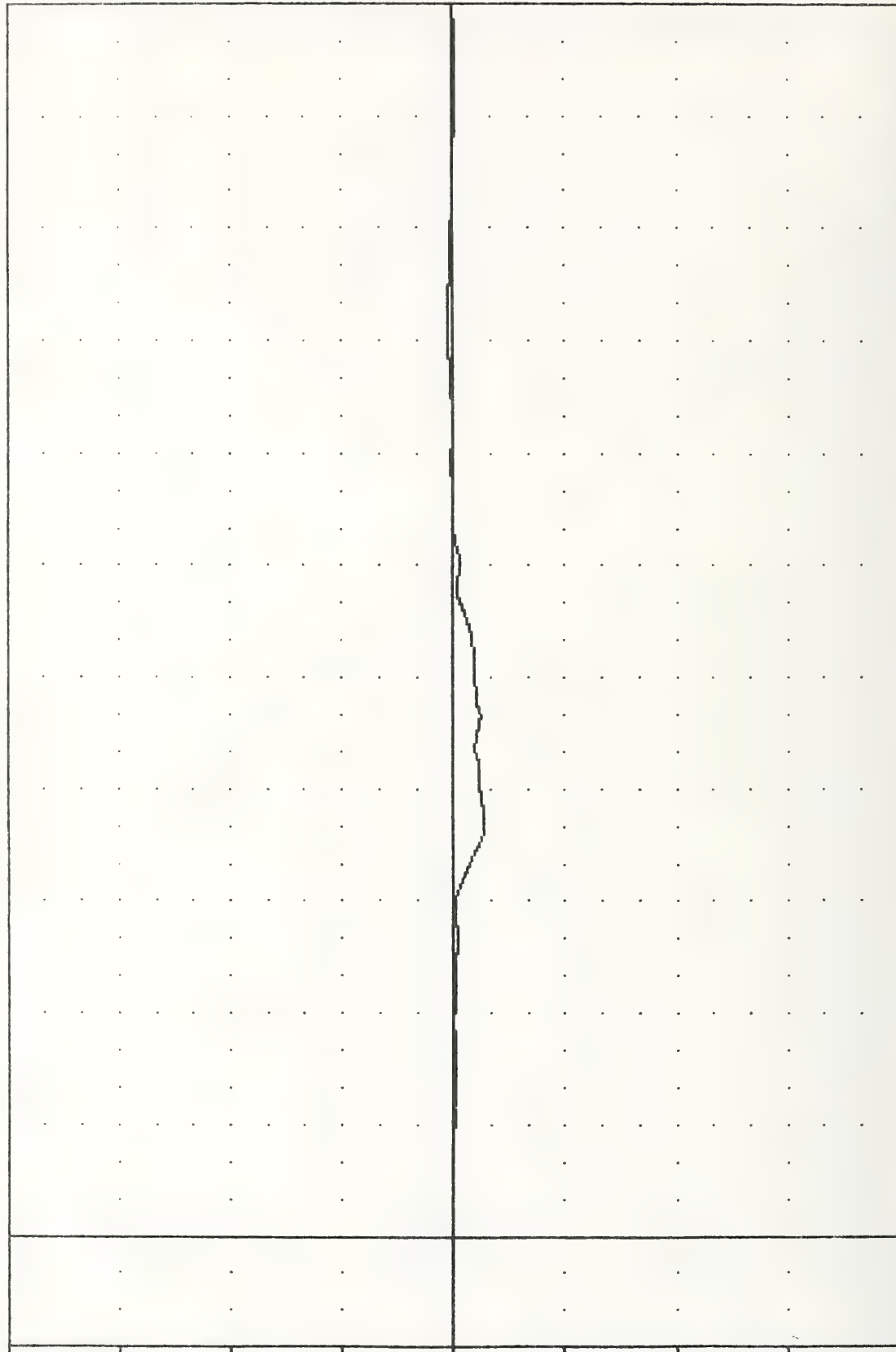
VRTC , R0384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 PEWZ61

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -13.68 75.00 , 2.45 162.75

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

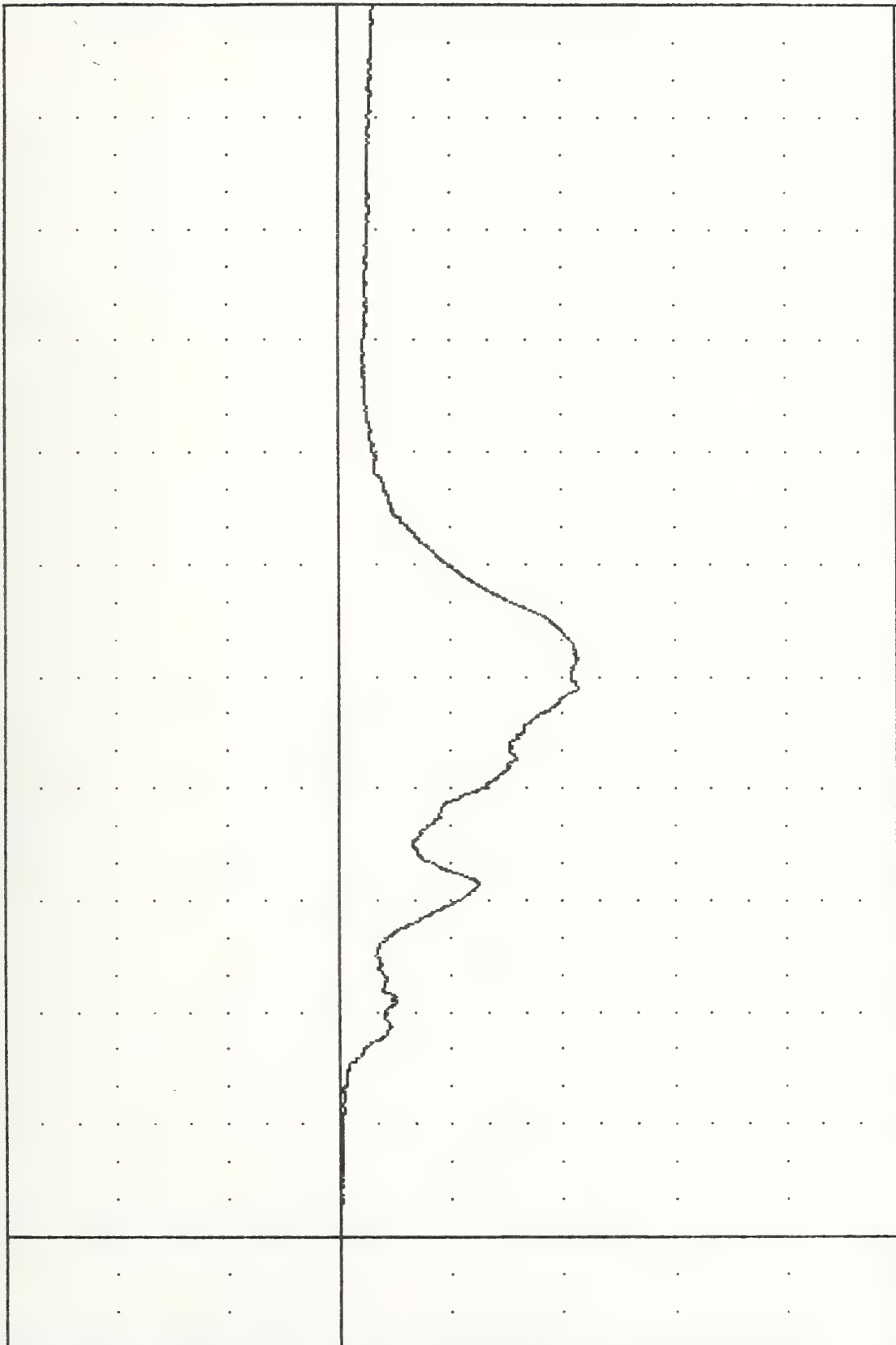
VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
LFMF1

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -1284.56 97.88 , 2.37 e -3.25

FORCE (LB)
(X10⁴)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

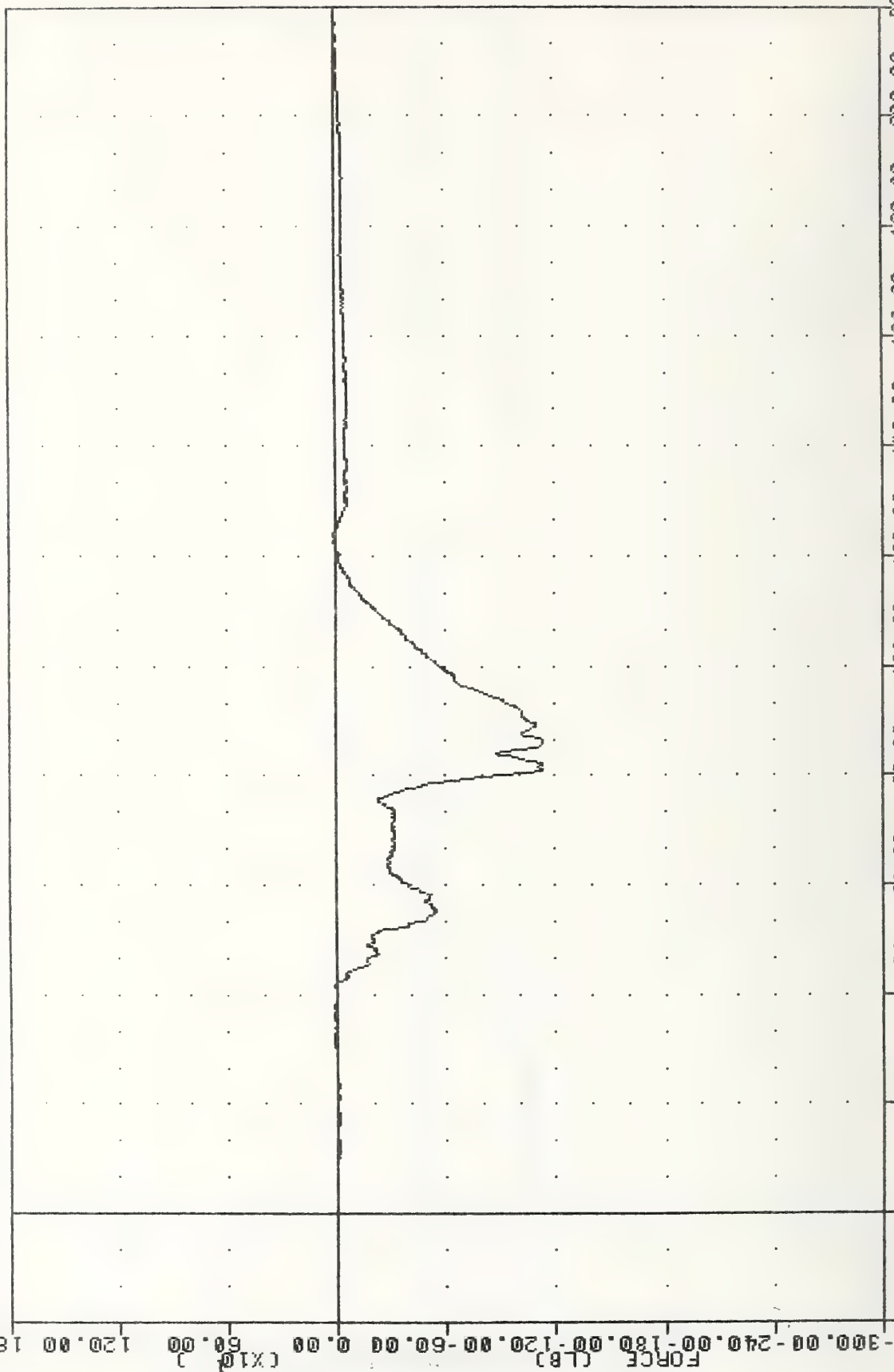
WRIC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 RFNF1

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -1130.57e 82.00, 17.19 e 123.75

FORCE (LB)
 (x10³)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (msec)

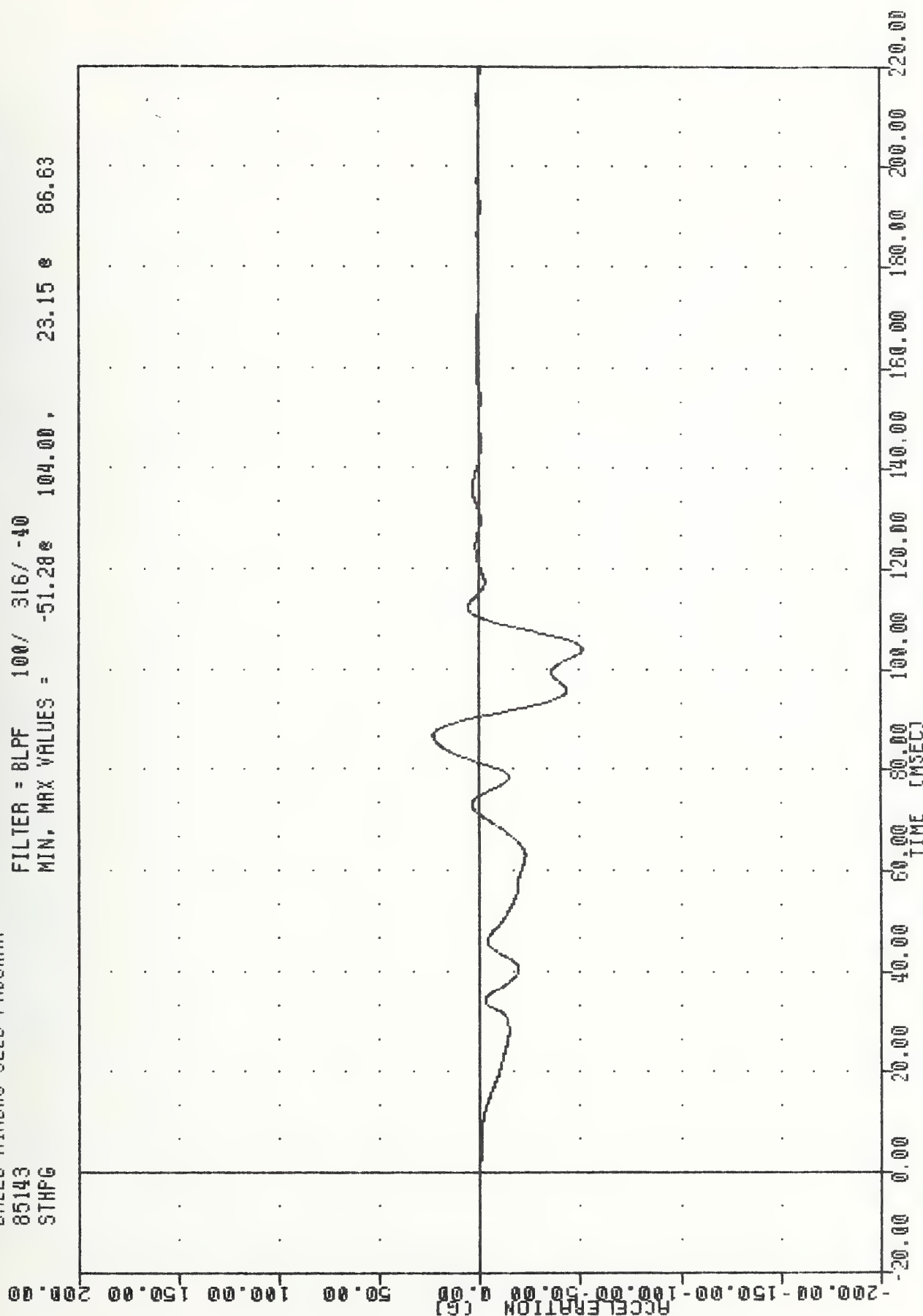
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER RIGHT FEMUR FORCE

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
STHPC

PLOT DATE 24-MAY-85 11:22:24

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -51.28 104.00 , 23.15 86.63



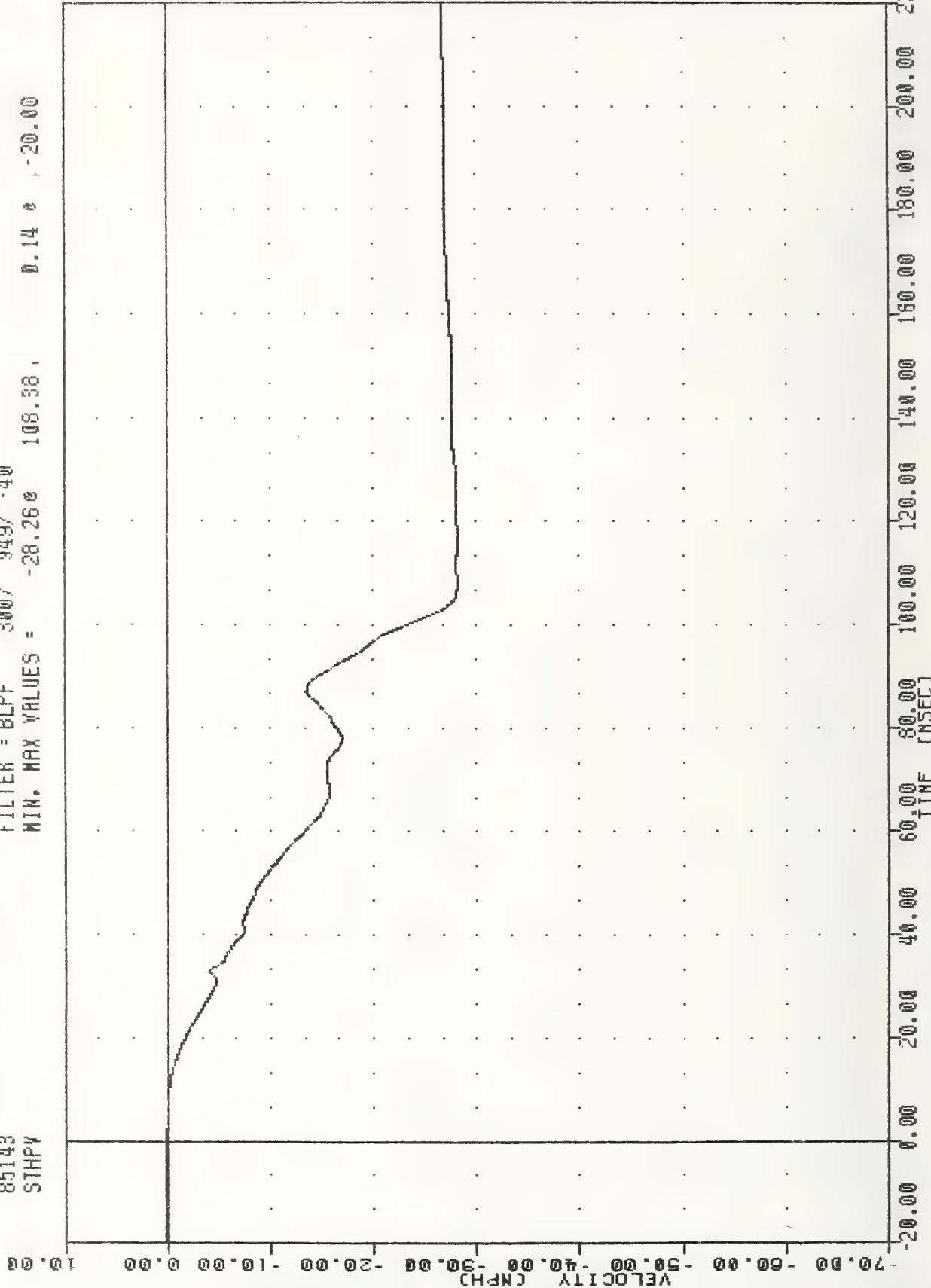
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

VRAC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
STHPV

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -28.26 108.38 , 0.14 20.00

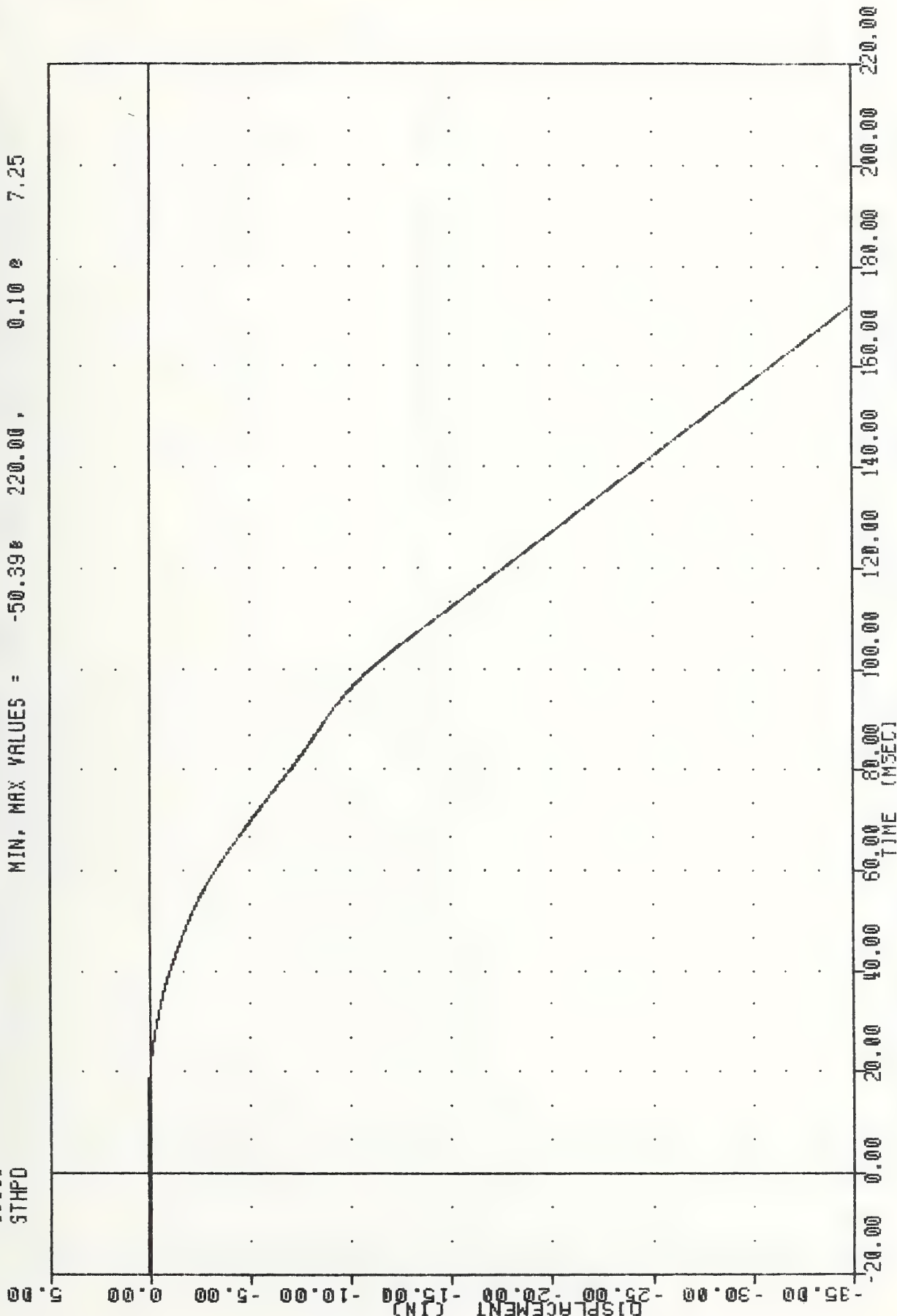


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING STHPG

VRTC , RD324-4-38
BREED AIRBAG SLED PROGRAM
85143
STHPO

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -50.39 220.00, 0.10 7.25



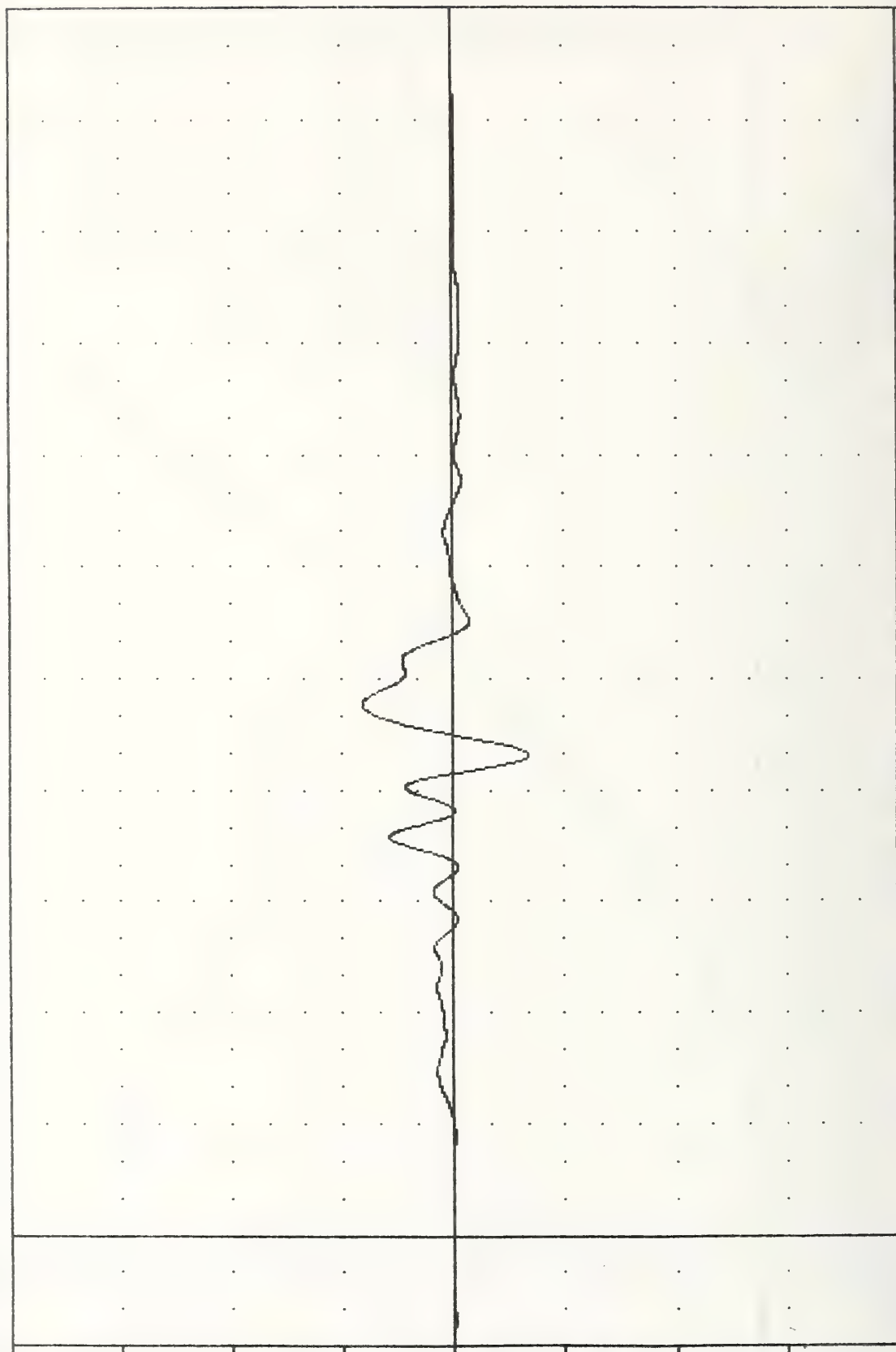
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING STHPV

WATC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
STH16

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -34.15 40.89 95.38

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

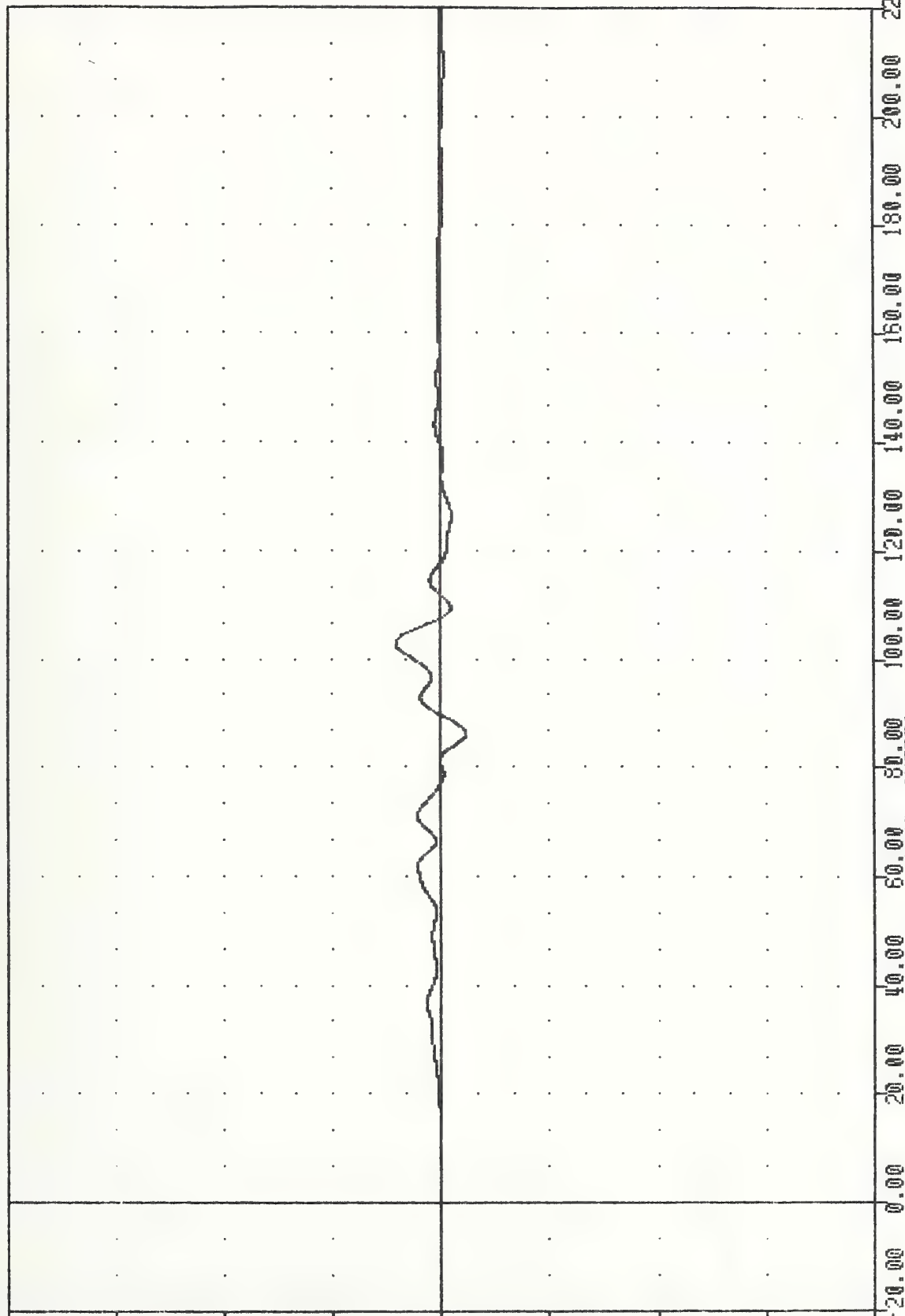
VRTC , R0384-4-38
BREED AIRBAG SLED PROGRAM
85143
STHLG

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -11.428 86.13, 20.77 @ 102.75

ACCELERATION (G)



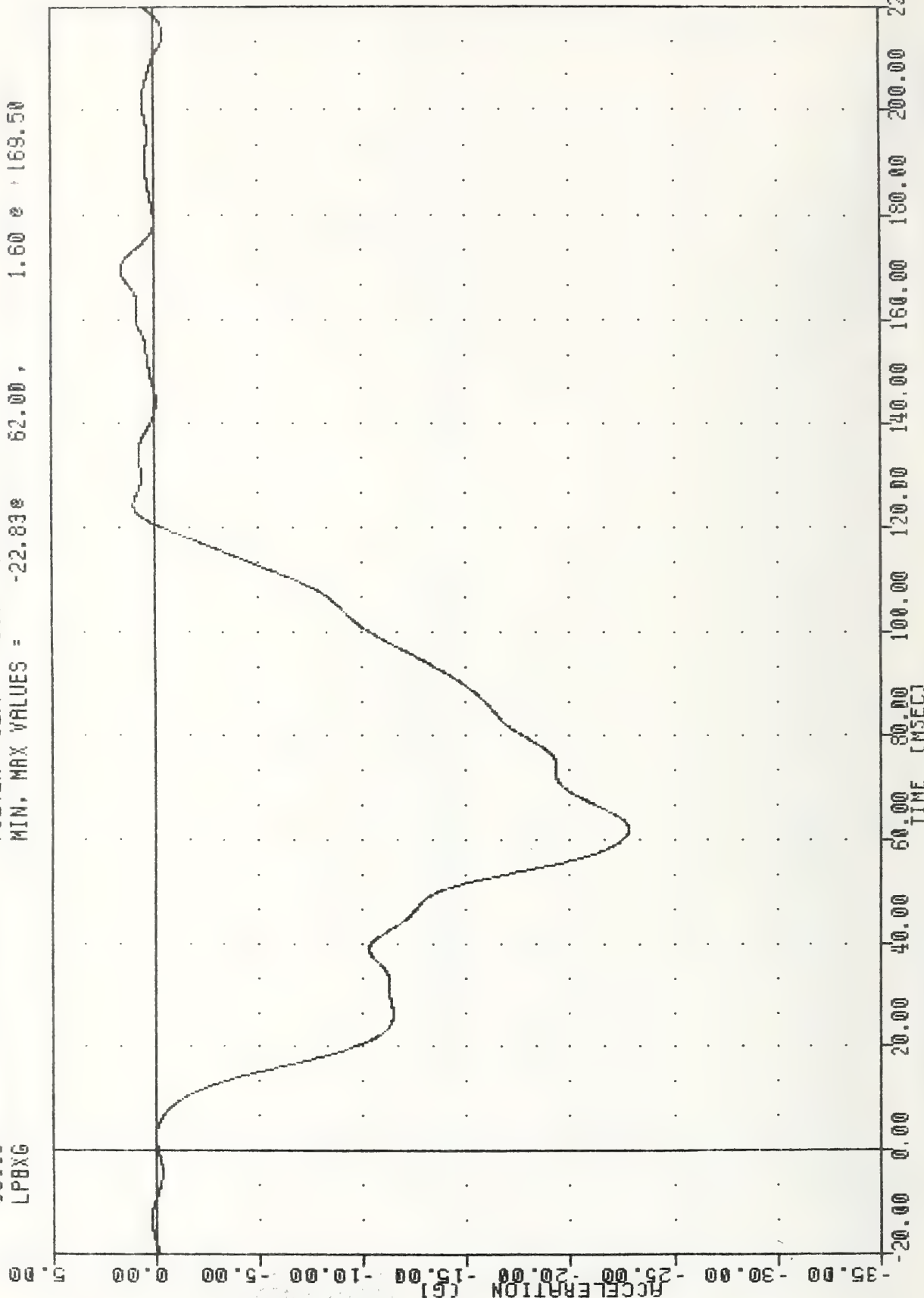
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
LPBXG

PLOT DATE 24-MAY-85 11:22:24

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -22.83e 62.00 , 1.60 e 169.50



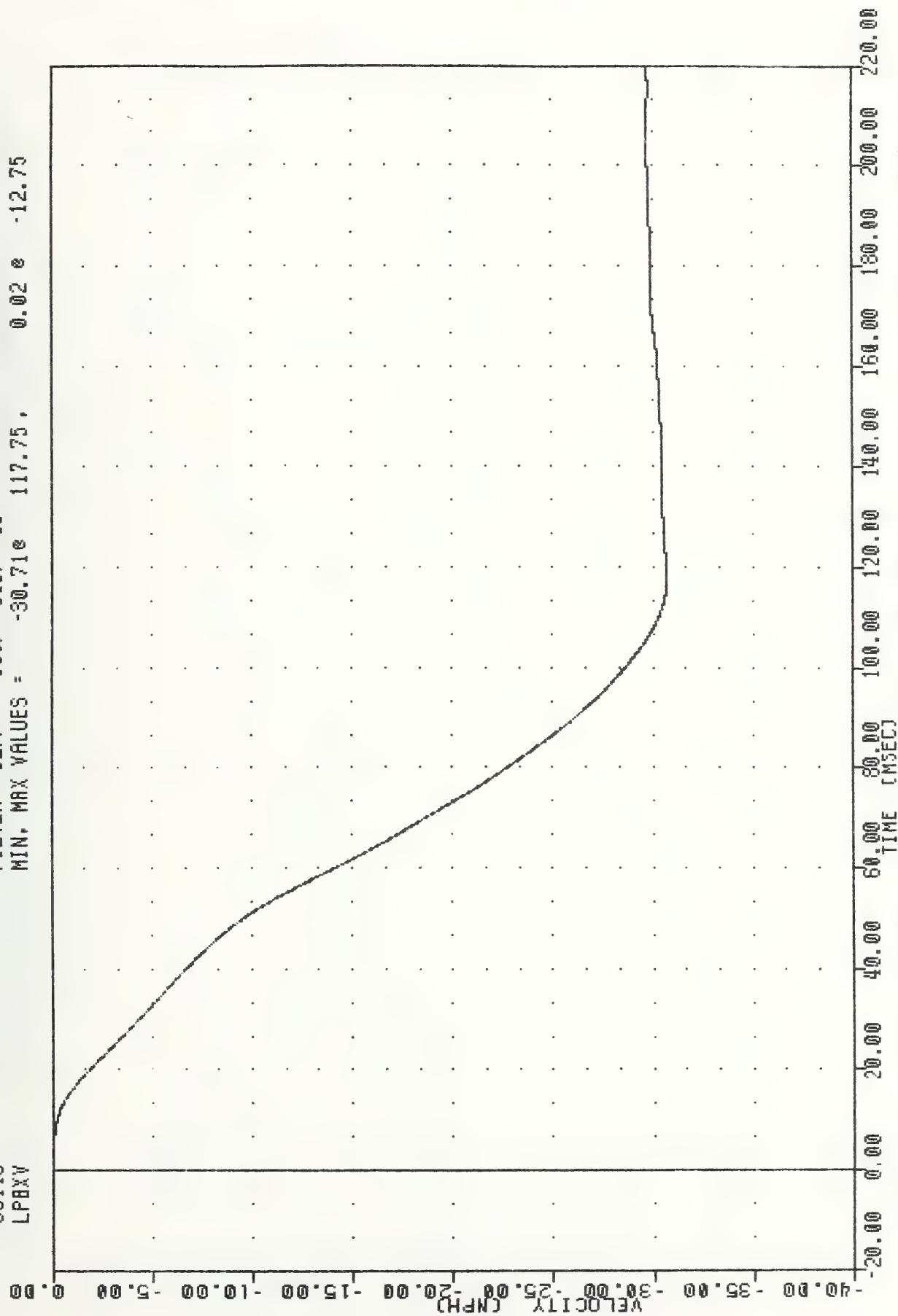
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
LPBXW

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -30.71e 117.75, 0.02 e -12.75



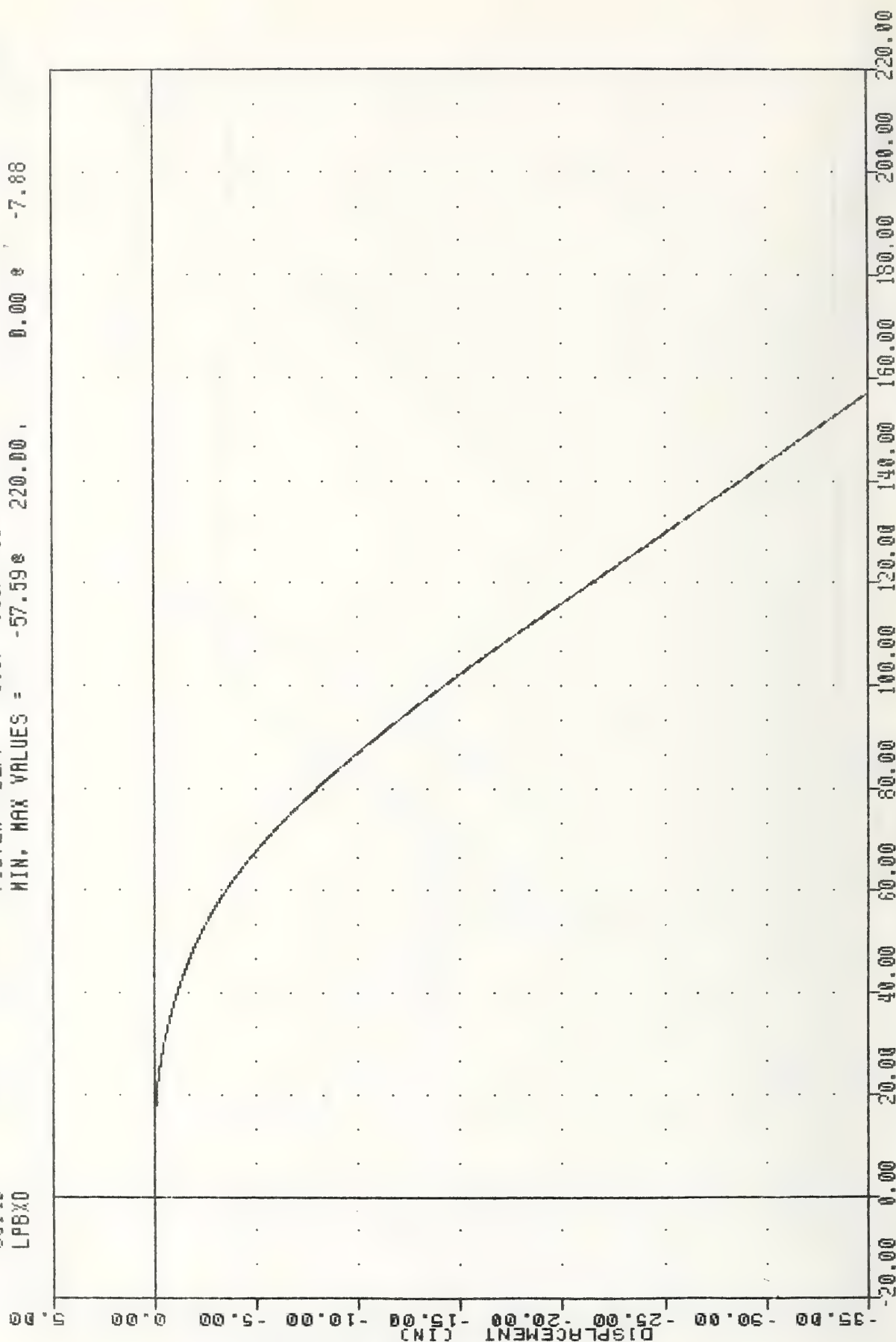
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBXG

VATC
BREQ AIRBAG SLED PROGRAM
85143
LPBX0

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -57.59 220.00 0.00 -7.88



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

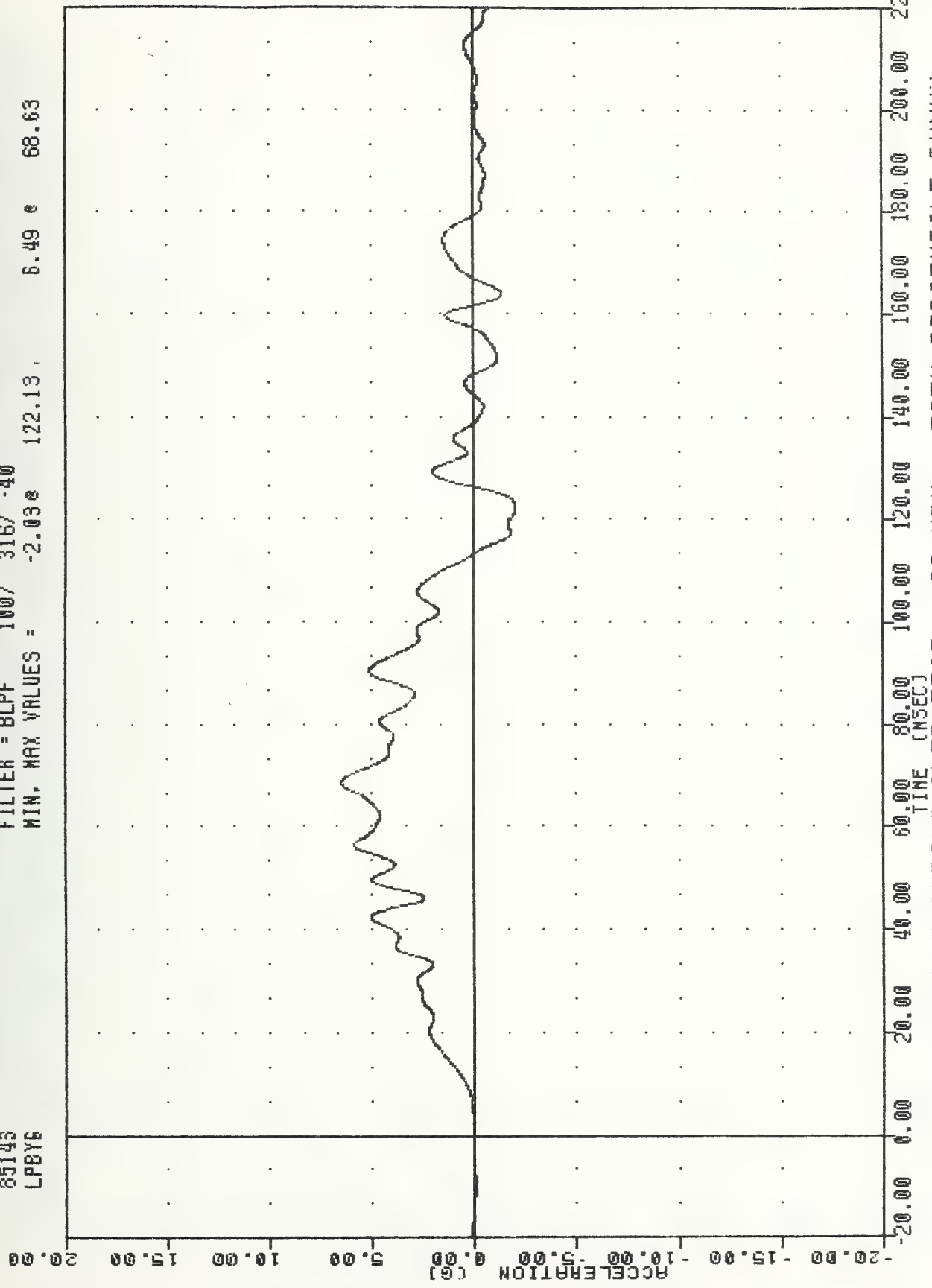
DELTA X USING LPBXV

VRAC RD384-4-38 PLOT DATE 24-MAY-85 11:22:24

BREED AIRBAG SLED PROGRAM

85143 FILTER = BLPF 100/ 316/ -40

LPBY6 MIN. MAX VALUES = -2.03e 122.13 6.49 e 68.63



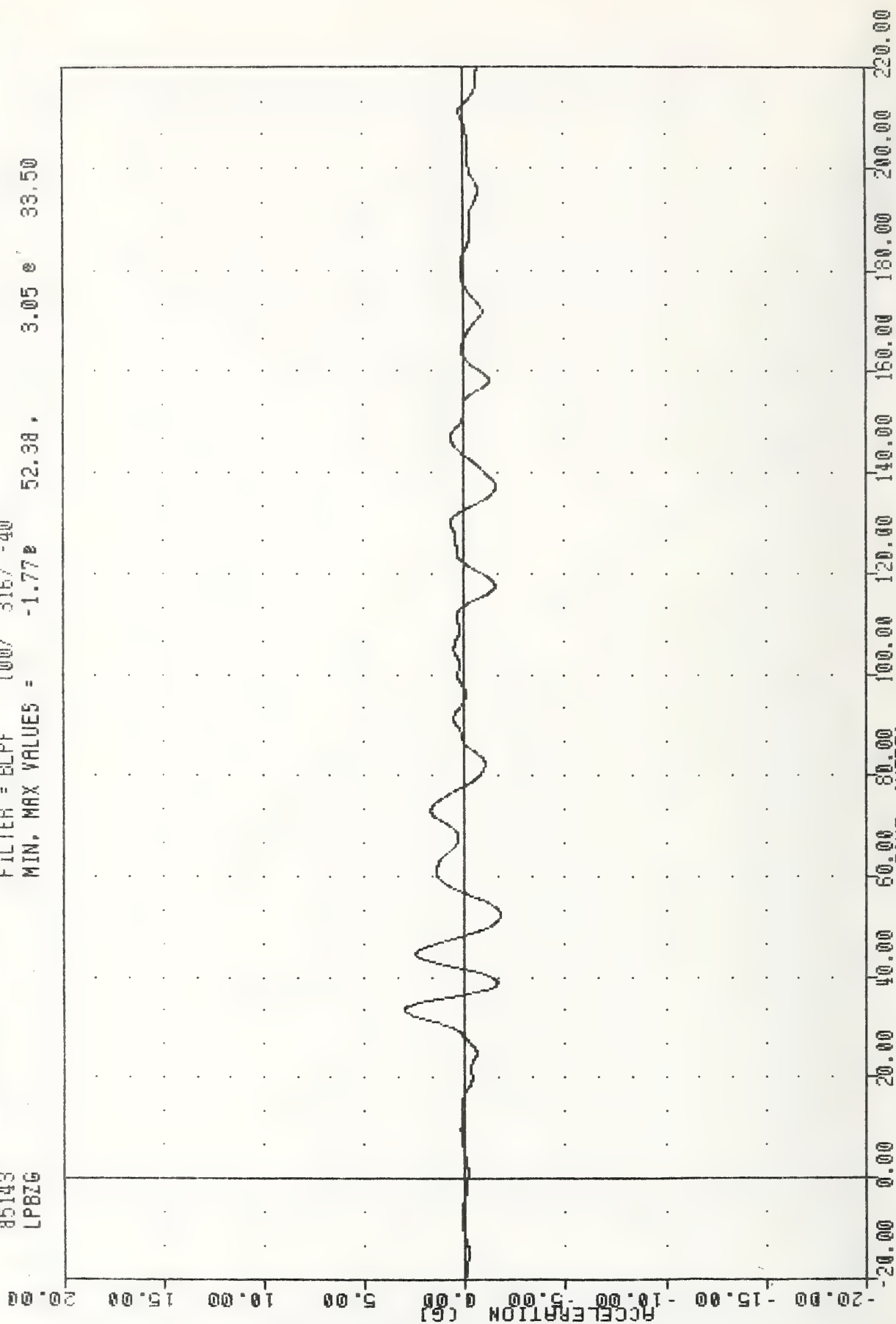
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC , R0384-4-38
BREED AIRBAG SLED PROGRAM
85143
LPBZG

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -1.77e 52.38, 3.05 e' 33.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

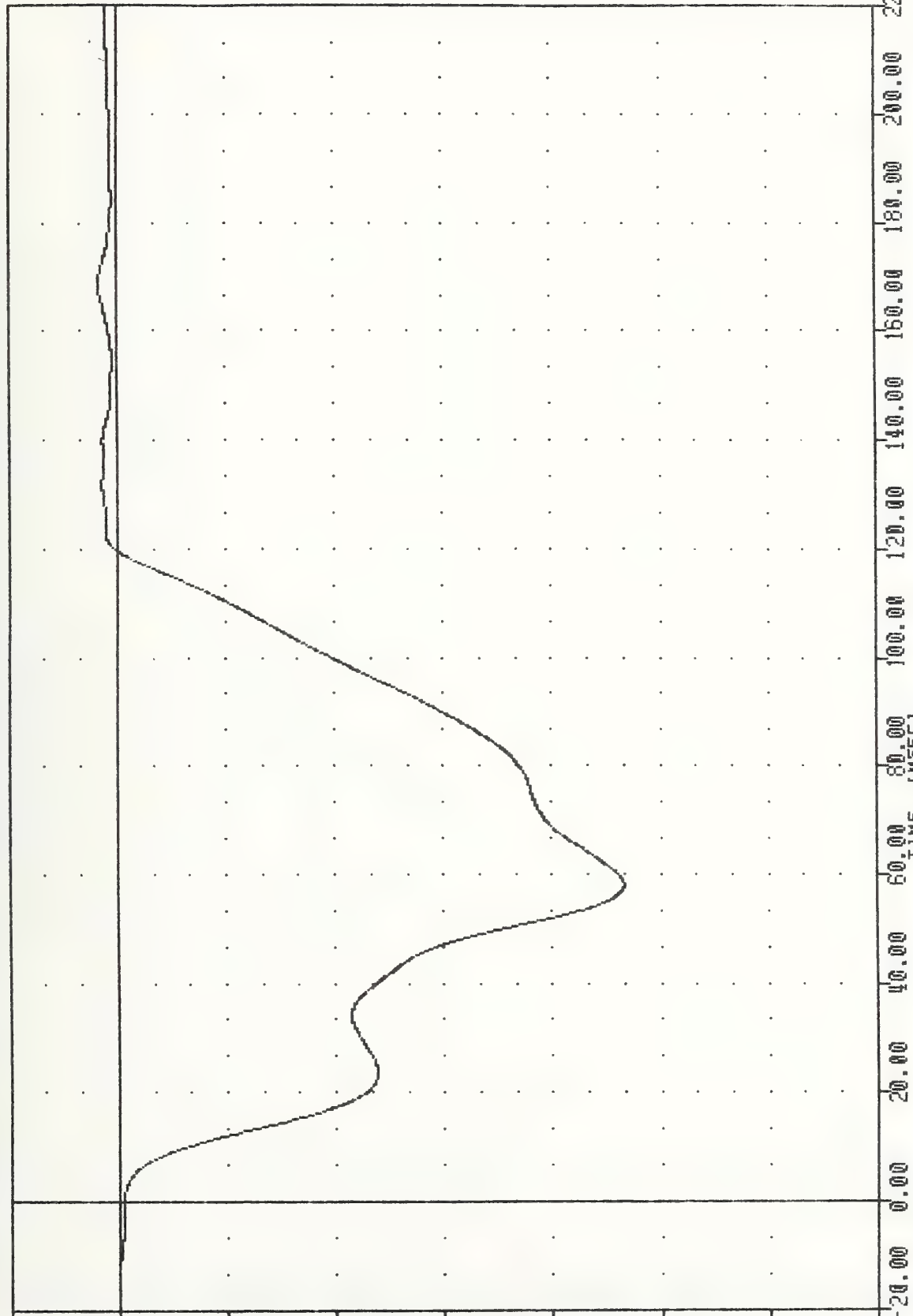
VRTC R0384-4-38
BREED AIRBAG SLED PROGRAM
85143
SLOXG

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -23.31 58.00 0.86 168.50

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

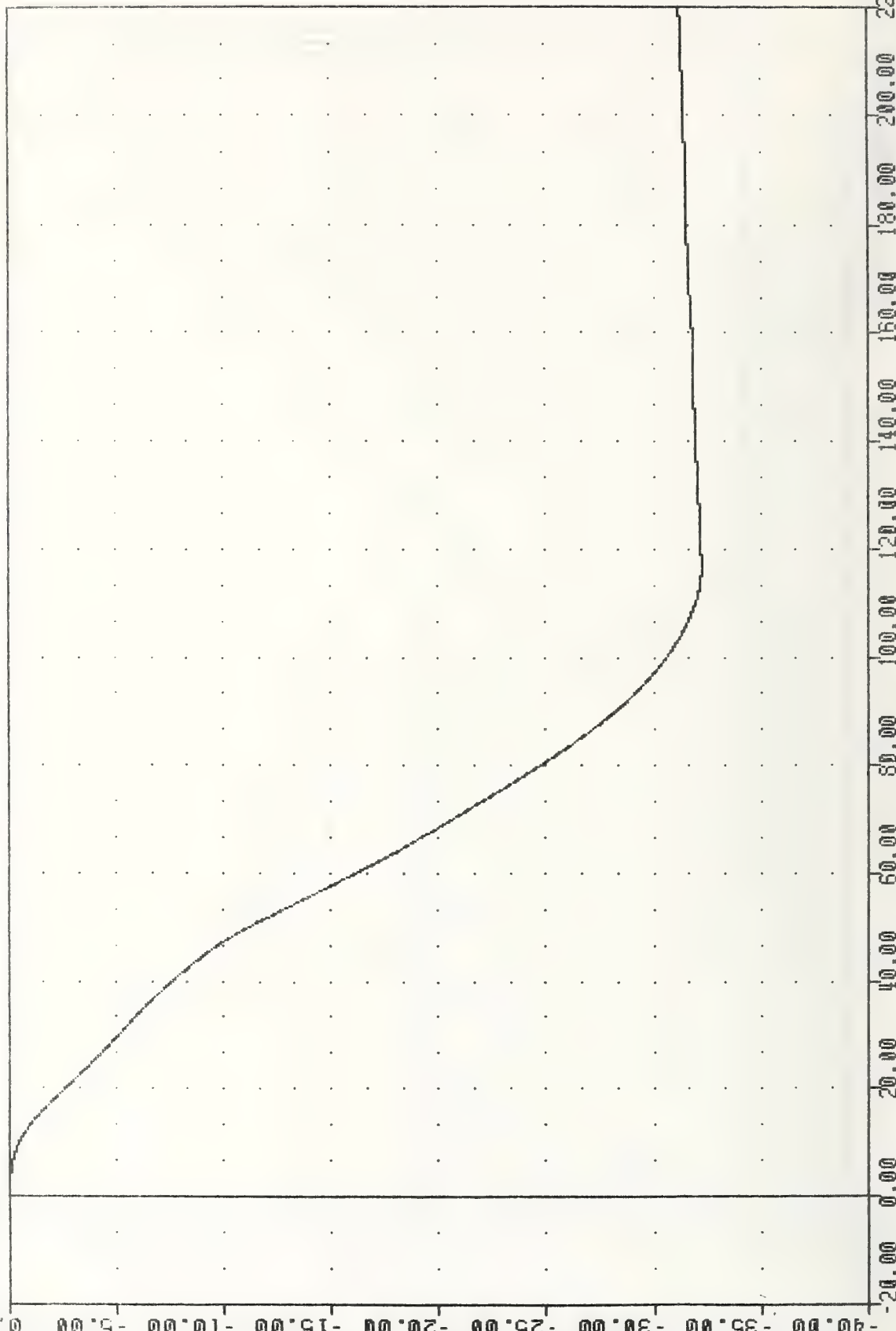
VRTC , 60384-4-56
BREED AIRBAG SLED PROGRAM
85143
SLOXVI

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -32.23 116.63, 0.04 0, -16.50

VELOCITY (MPH)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

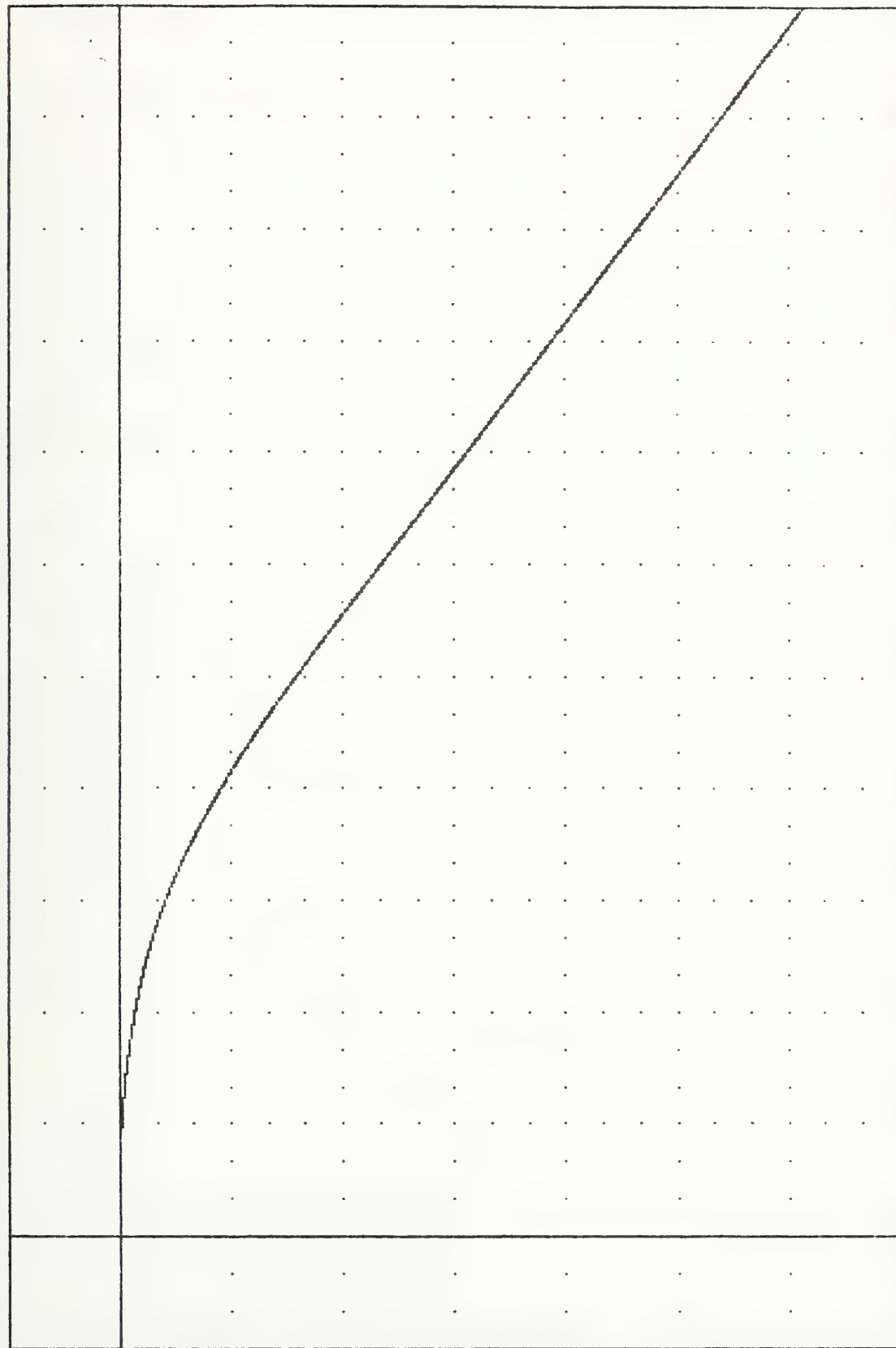
VR1C , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 SLOXO

PLOT DATE 24-MAY-85 11:24:10

FILTER = BLPF 300/ 919/ -40

MIN, MAX VALUES = -61.47e 220.00, 0.02 e -4.50

DISPLACEMENT (IN)



TIME (MSEC)

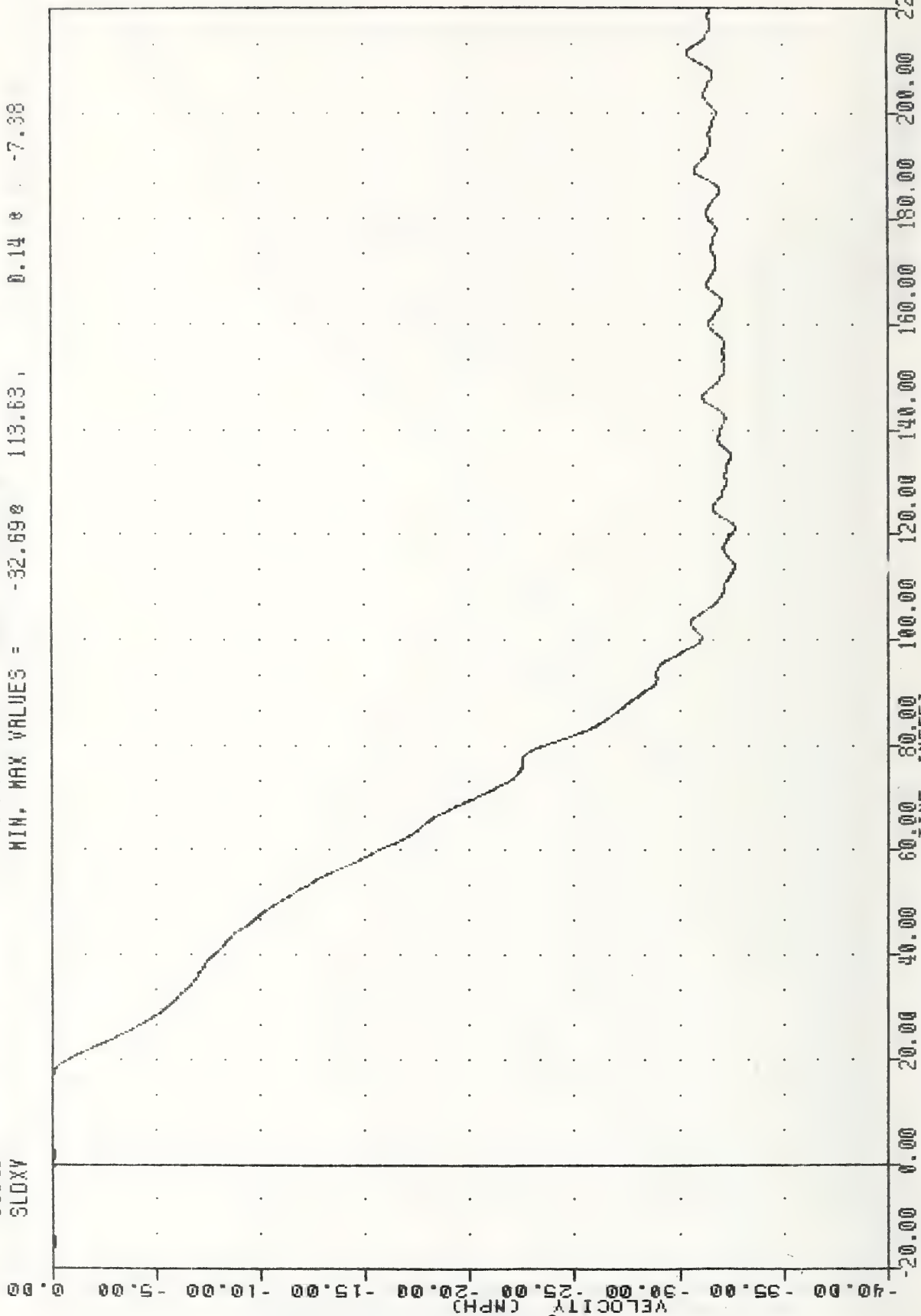
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

VATC , RD384-4-38
BRAED AIRBAG SLED PROGRAM
85143
SLOXY

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 100/ 316/ 40

MIN. MAX VALUES = -32.690 113.63, 0.14 e -7.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

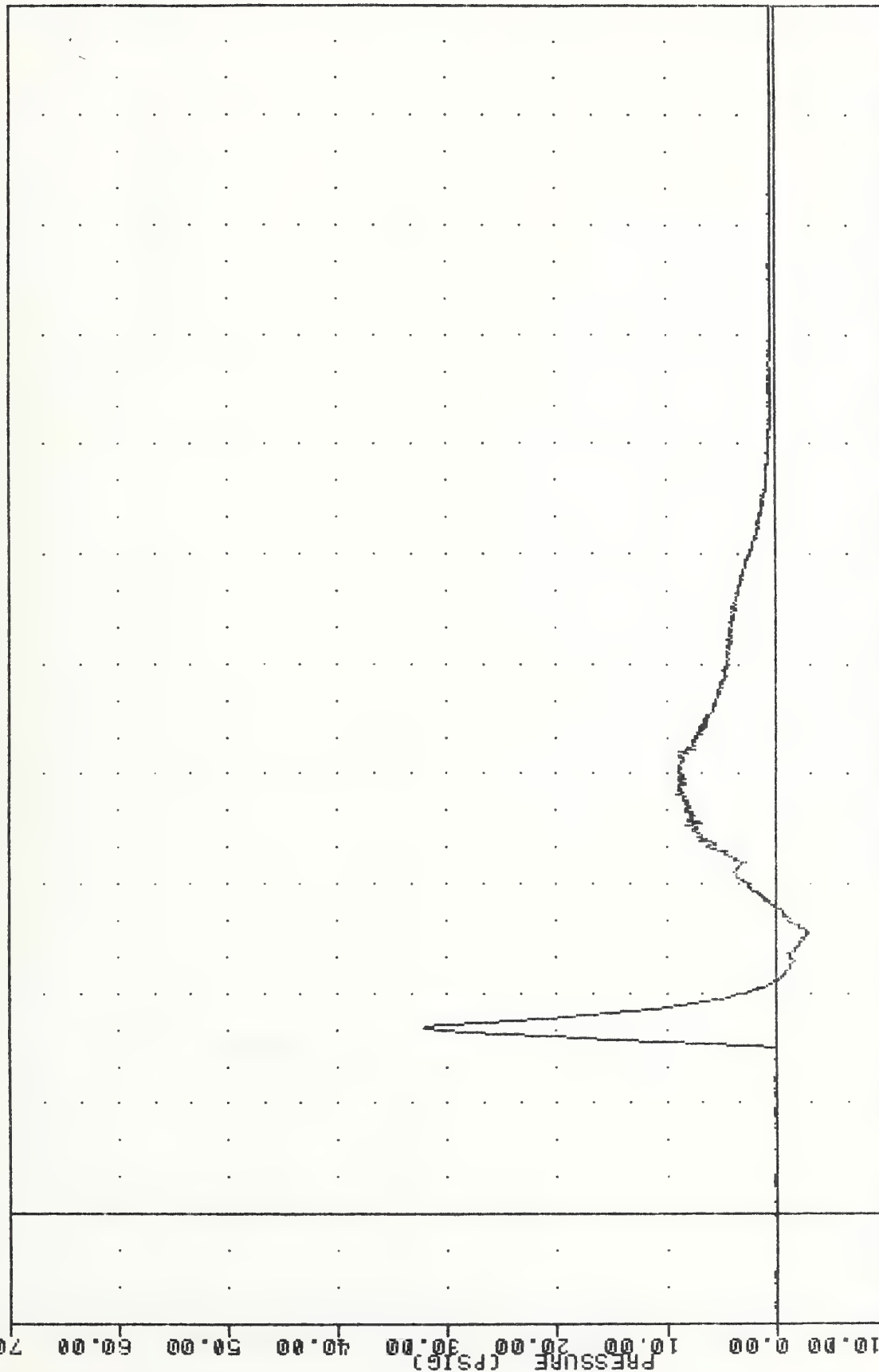
VRIC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 ABTP

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1850/ 5214/ -40

MIN, MAX VALUES = -3.13e 51.13, 32.09 e 33.75

70.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

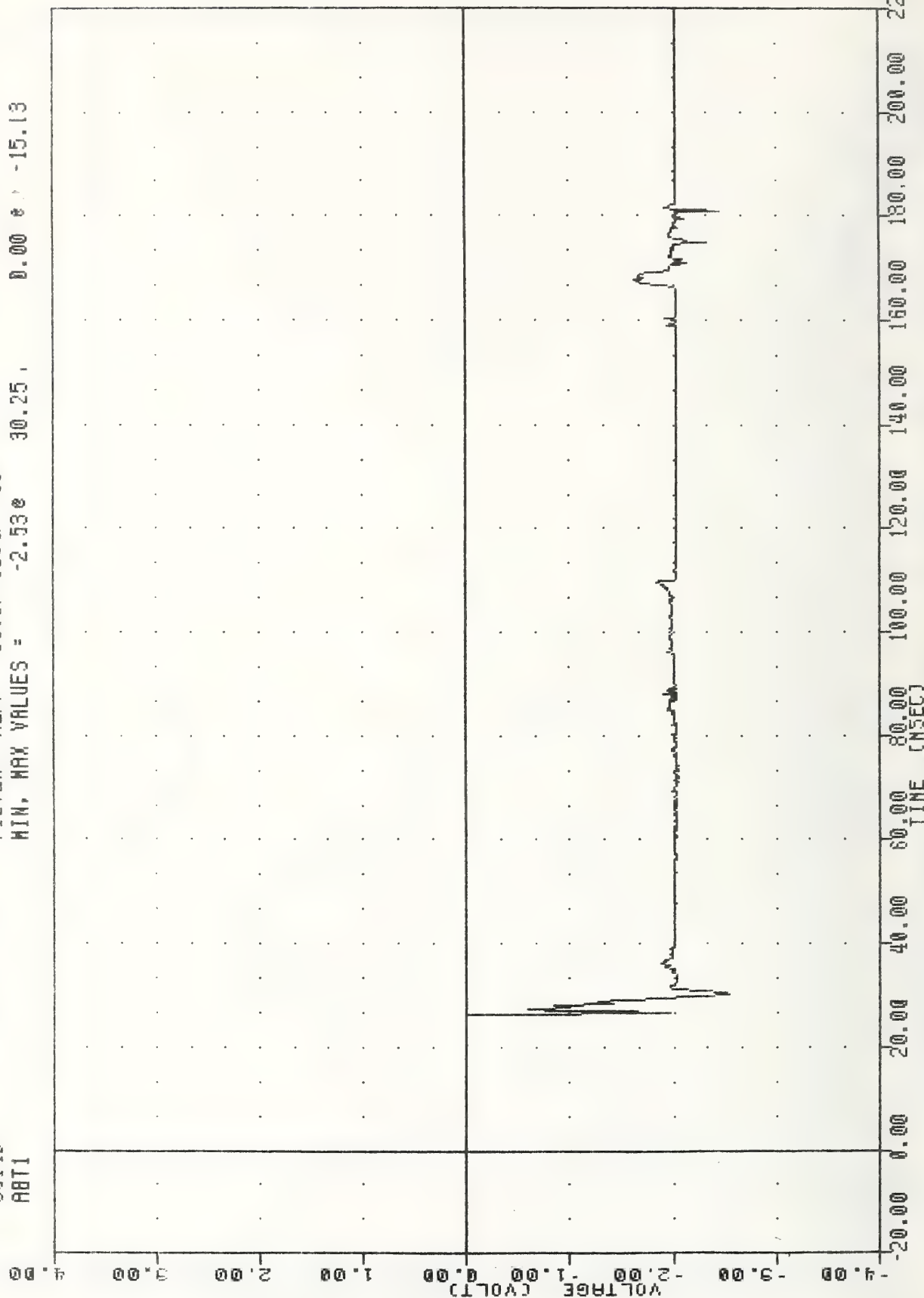
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 AIRBAG PRESSURE

WRTC , RD384-4-38
BREED RIABAG SLED PROGRAM
85143
ABT1

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -2.53e 30.25, 0.00 e -15.13



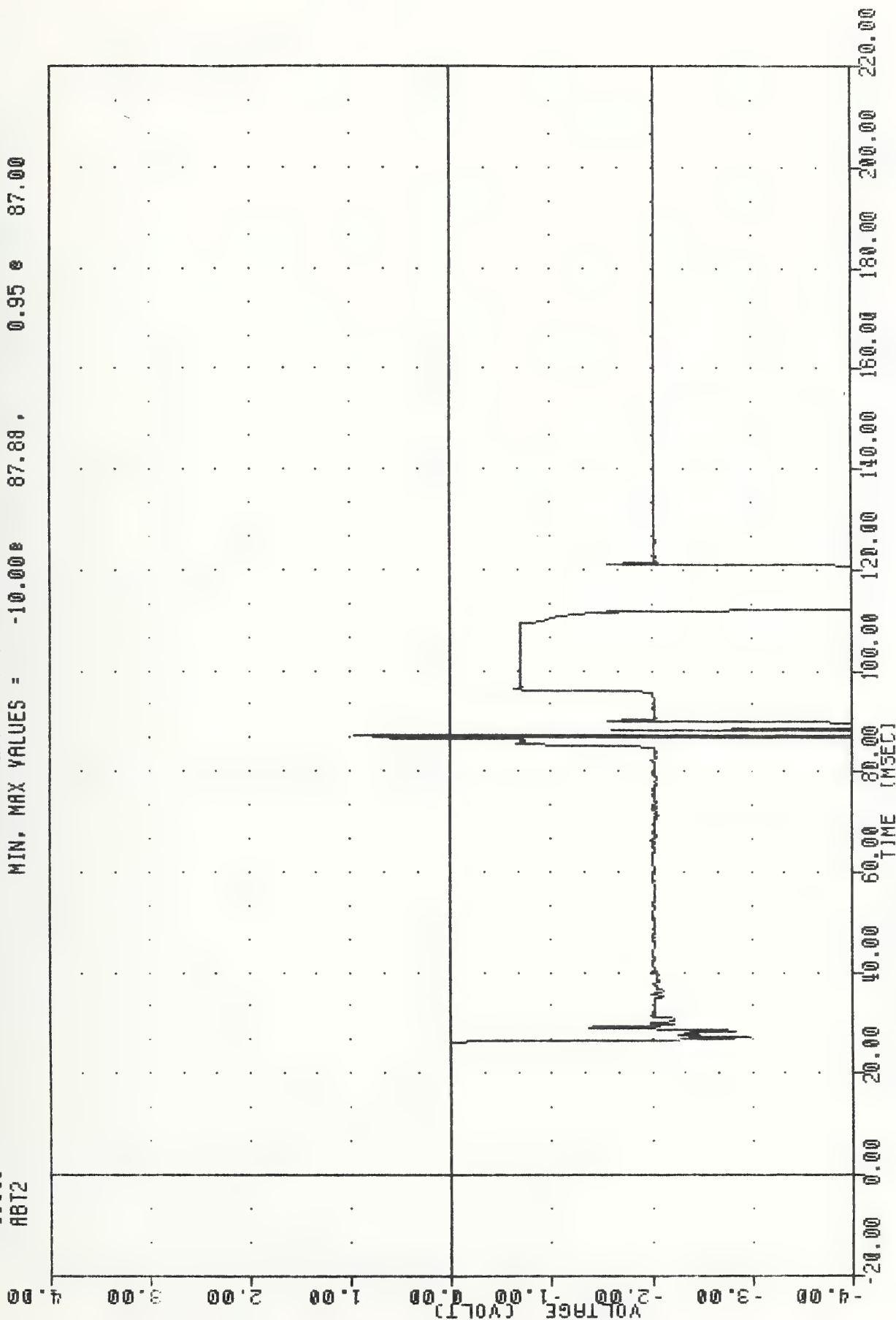
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 1

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
ABT2

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -10.00 87.88, 0.95 87.00

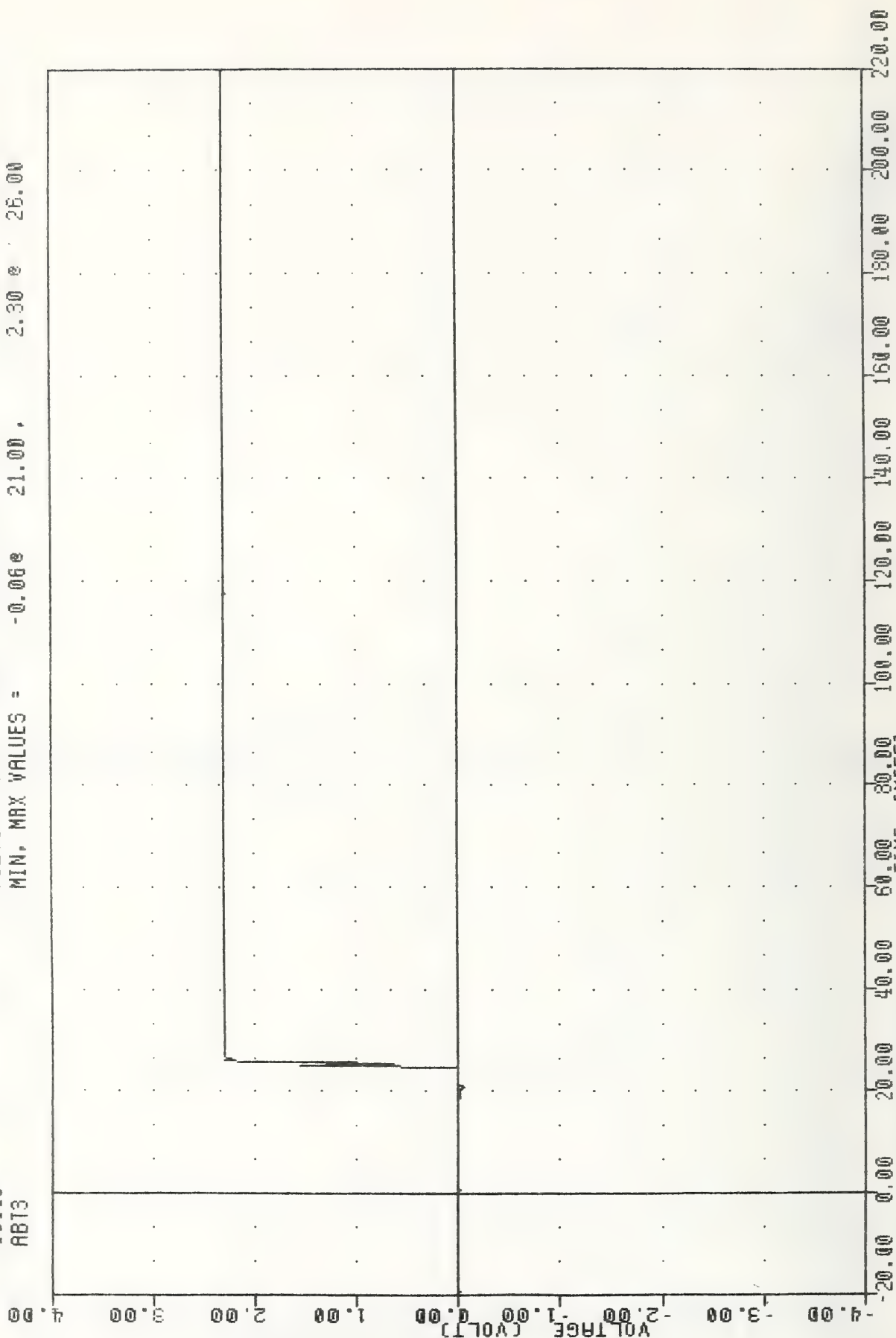


VRTC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 ABT3

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.06e 21.00, 2.30 e 26.00

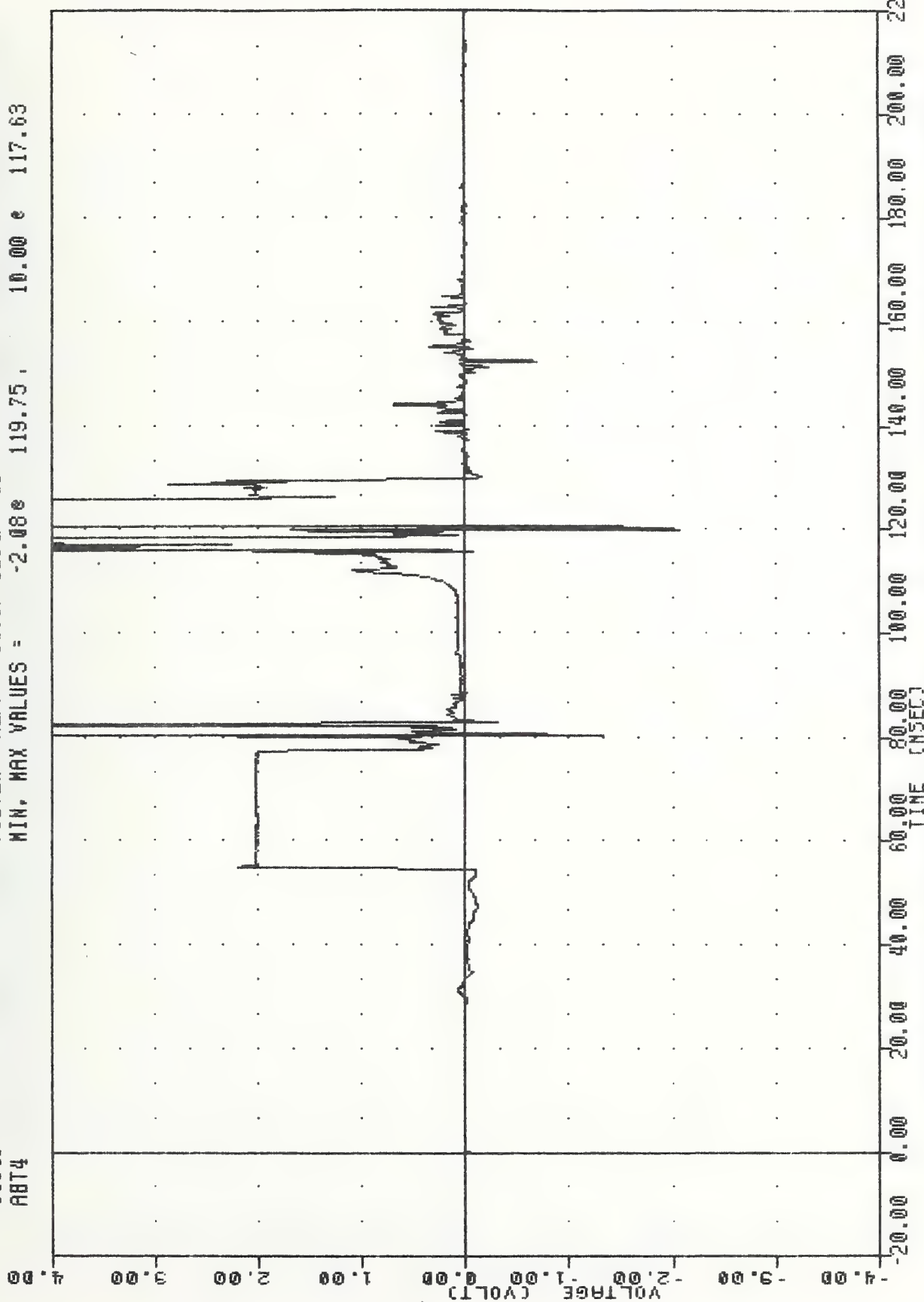


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 BREED B-PILLAR SENSOR

VRAC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
ABT4

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -2.08e 119.75, 10.00 e 117.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

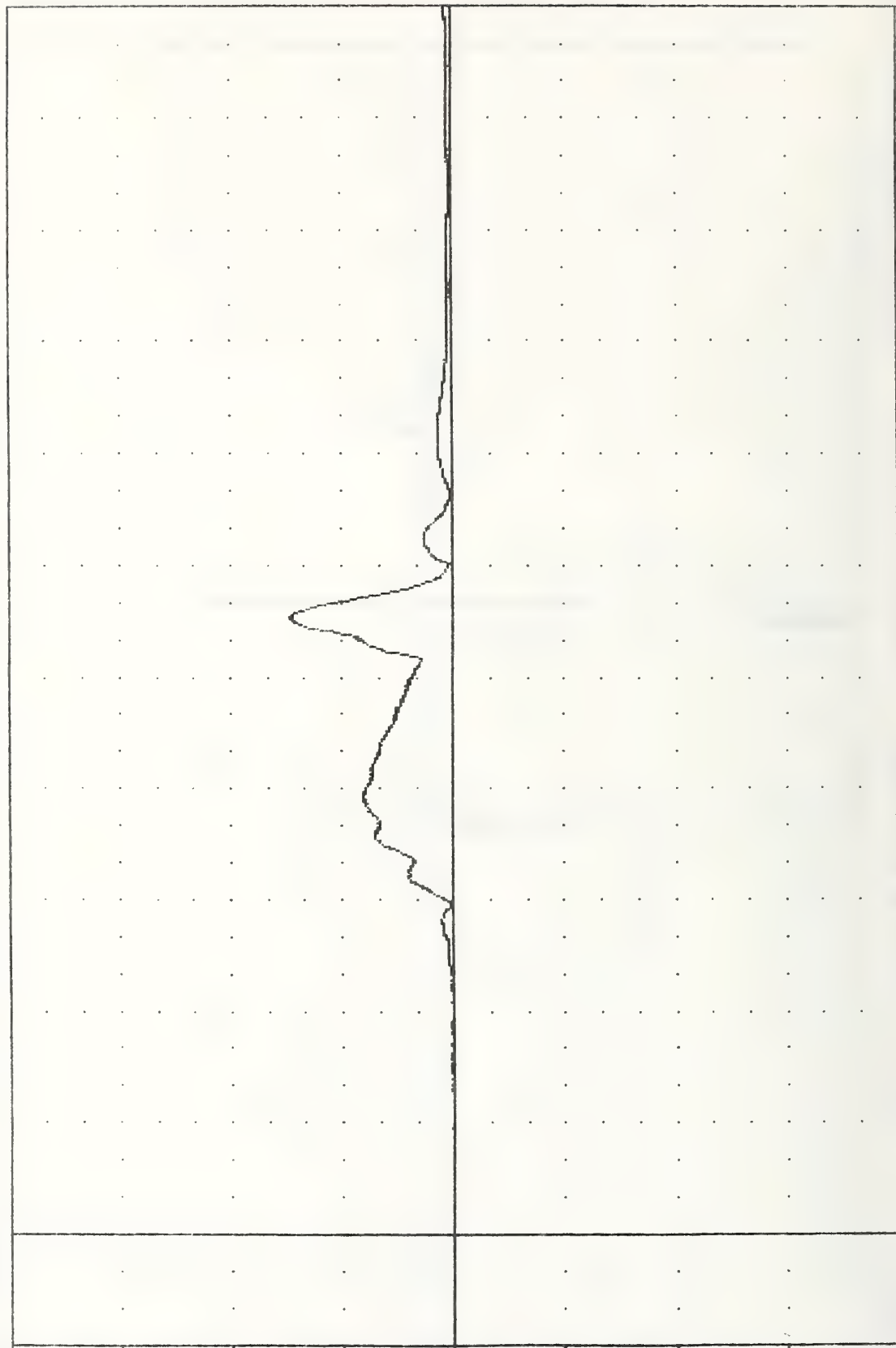
VRIC RD384-4-30
BREED AIRBAG SLED PROGRAM
85143
HEOR61

PLOT DATE 24-MAY-85 11:25:16

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.058 8.25, 73.07 @ 110.63

ACCELERATION (G)



TIME (MSEC)

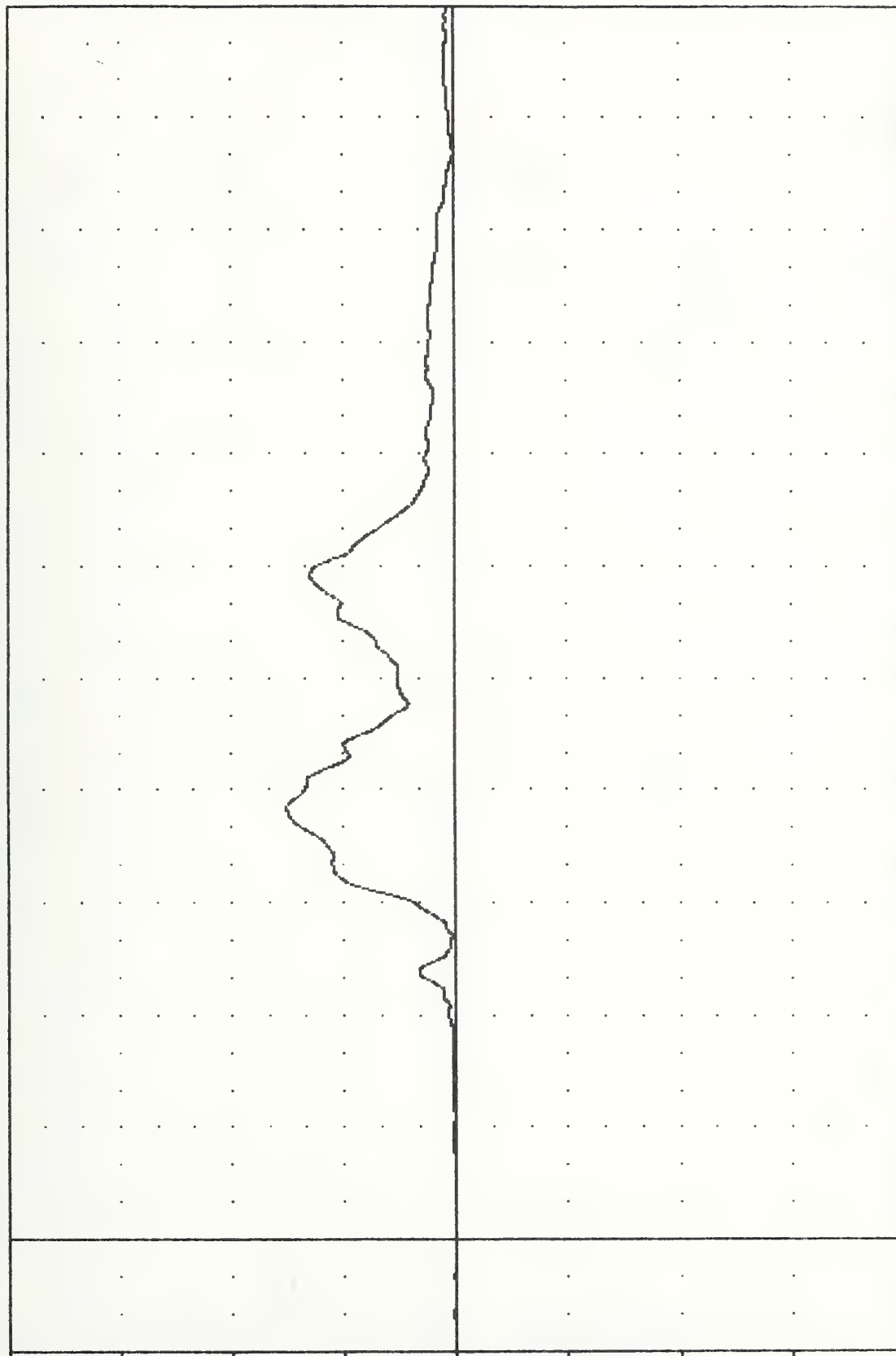
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRTC , RD384-4-38
BRAED AIRBAG SLED PROGRAM
85143
CSTR61

PLOT DATE 24-MAY-85 11:25:16

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = 0.03e -1.25, 37.66 e 76.75

ACCELERATION [G]



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

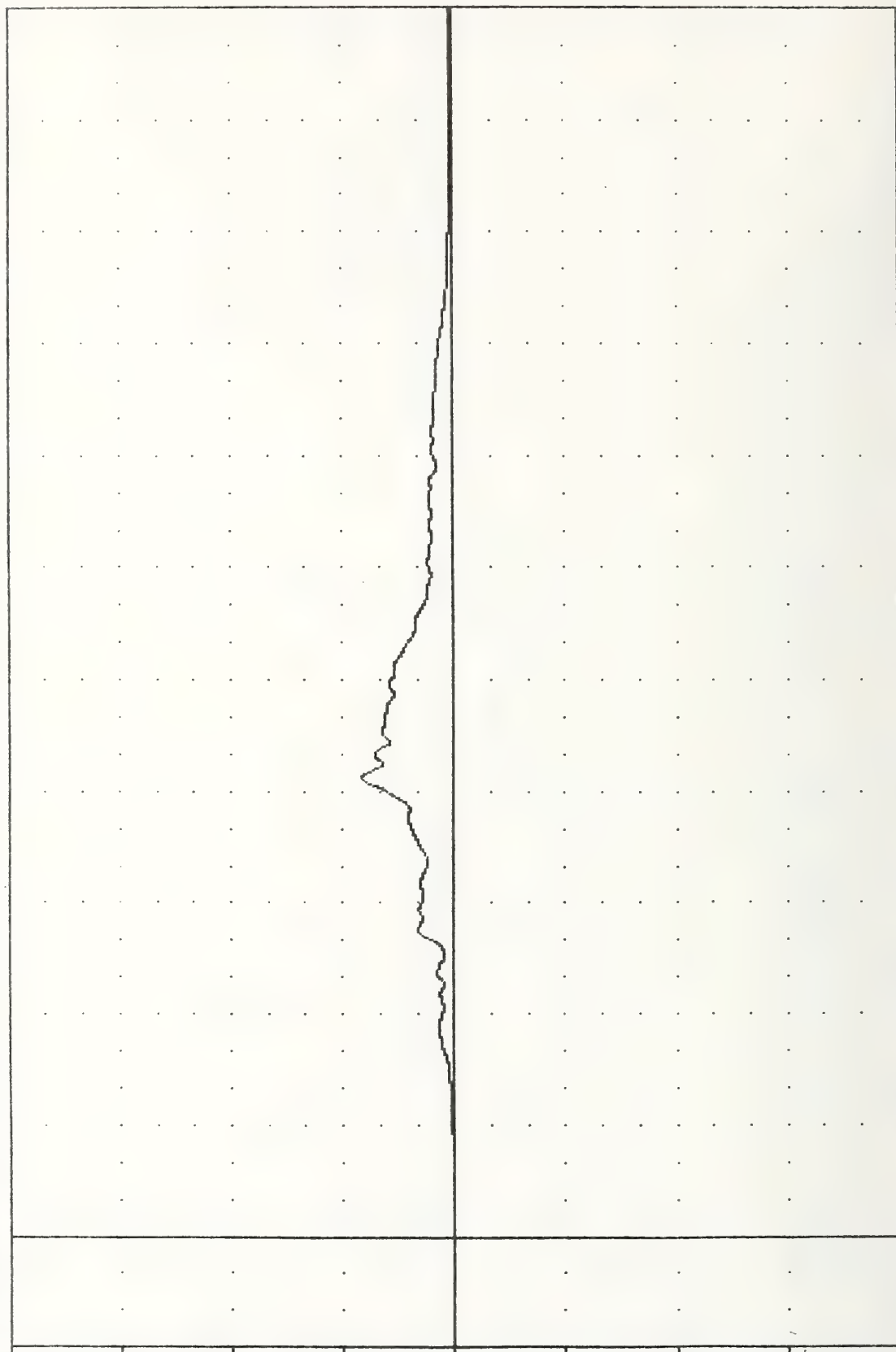
VATC RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 PEVR61

PLOT DATE 24-MAY-85 11:25:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.050 -0.25, 41.27 82.50

ACCELERATION (G)



TIME (msec)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS RESULTANT

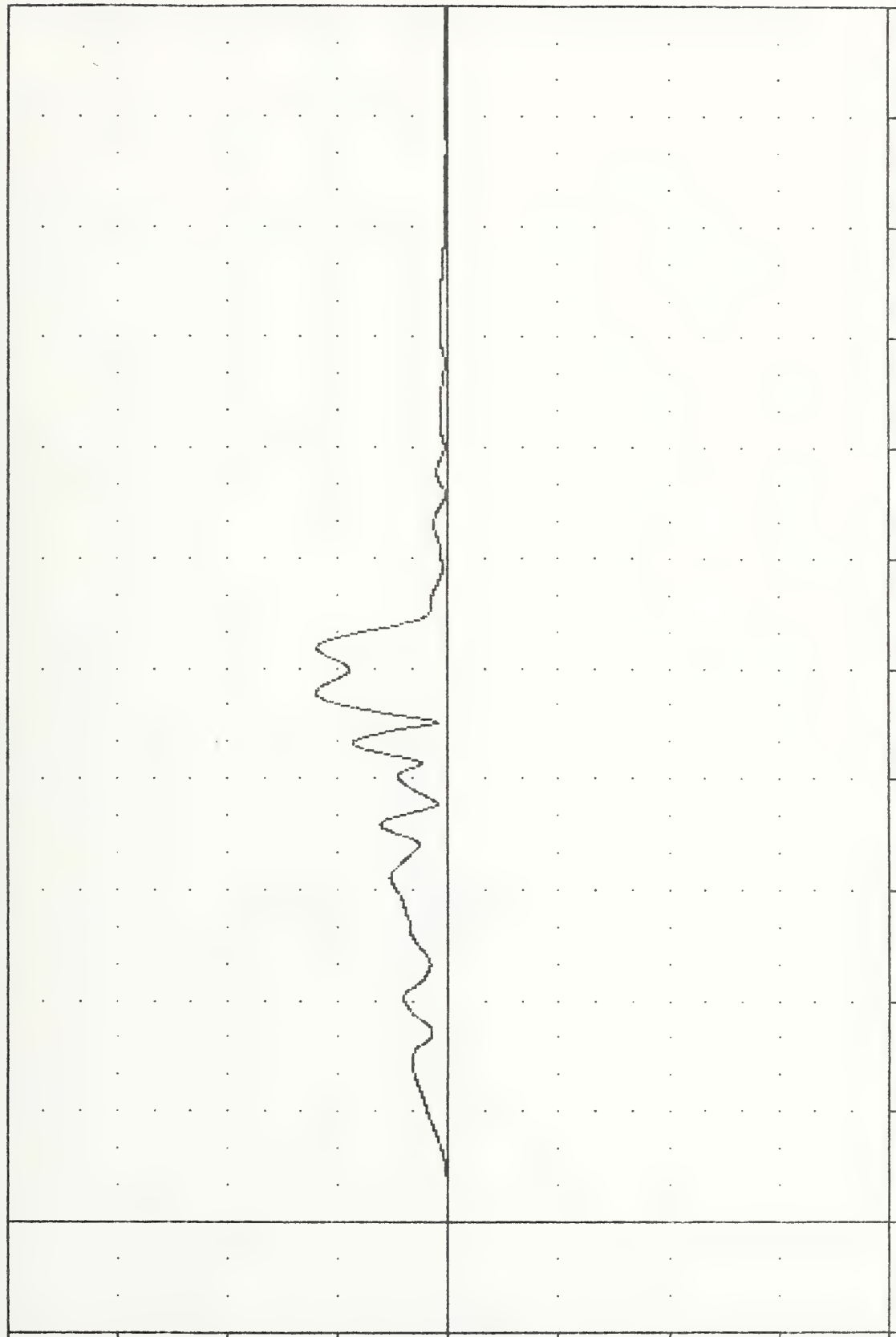
VRTC RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
STHRG

PLOT DATE 24-MAY-85 11:25:16

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = 0.128 -20.00, 59.89 95.50

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

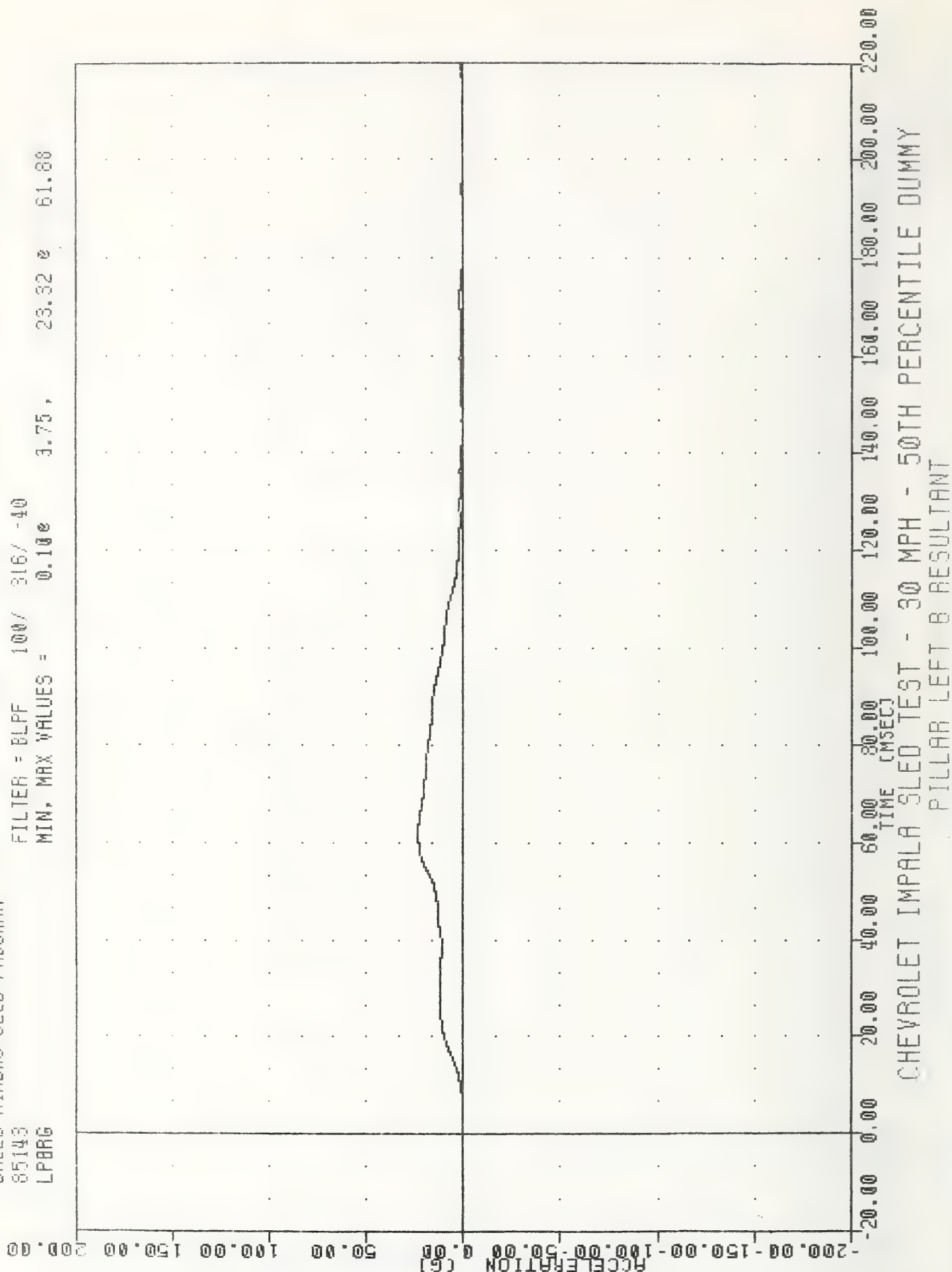
VR7C , RD884-4-23
BREED AIRBAG SLED PROGRAM
85143
LPBAG

PLOT DATE 24-MAY-86 11:25:16

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.10e

3.75, 23.32 e 61.88



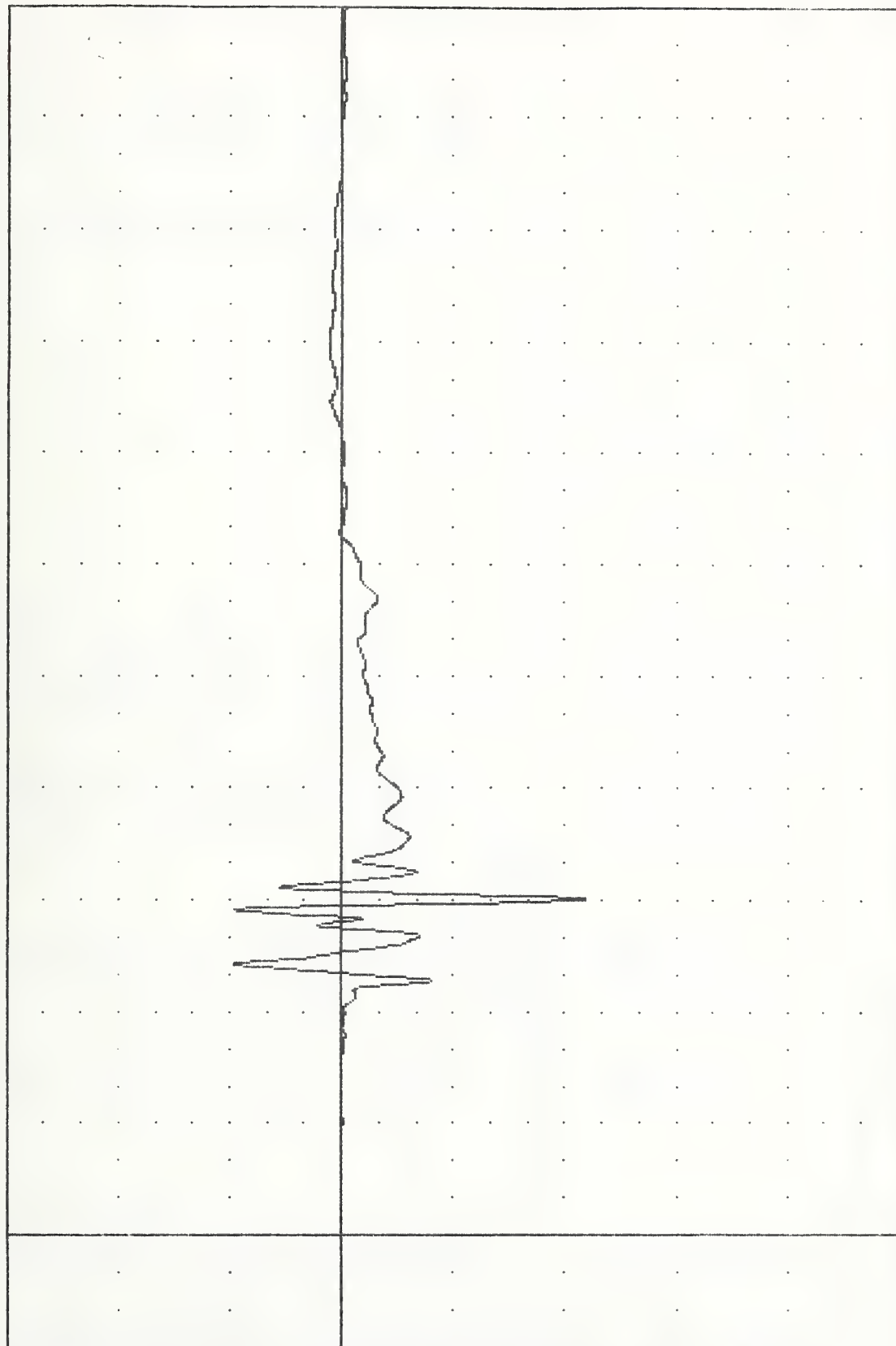
VRIC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
USTXG1

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -175.30e 60.25, 77.20 e 58.13

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

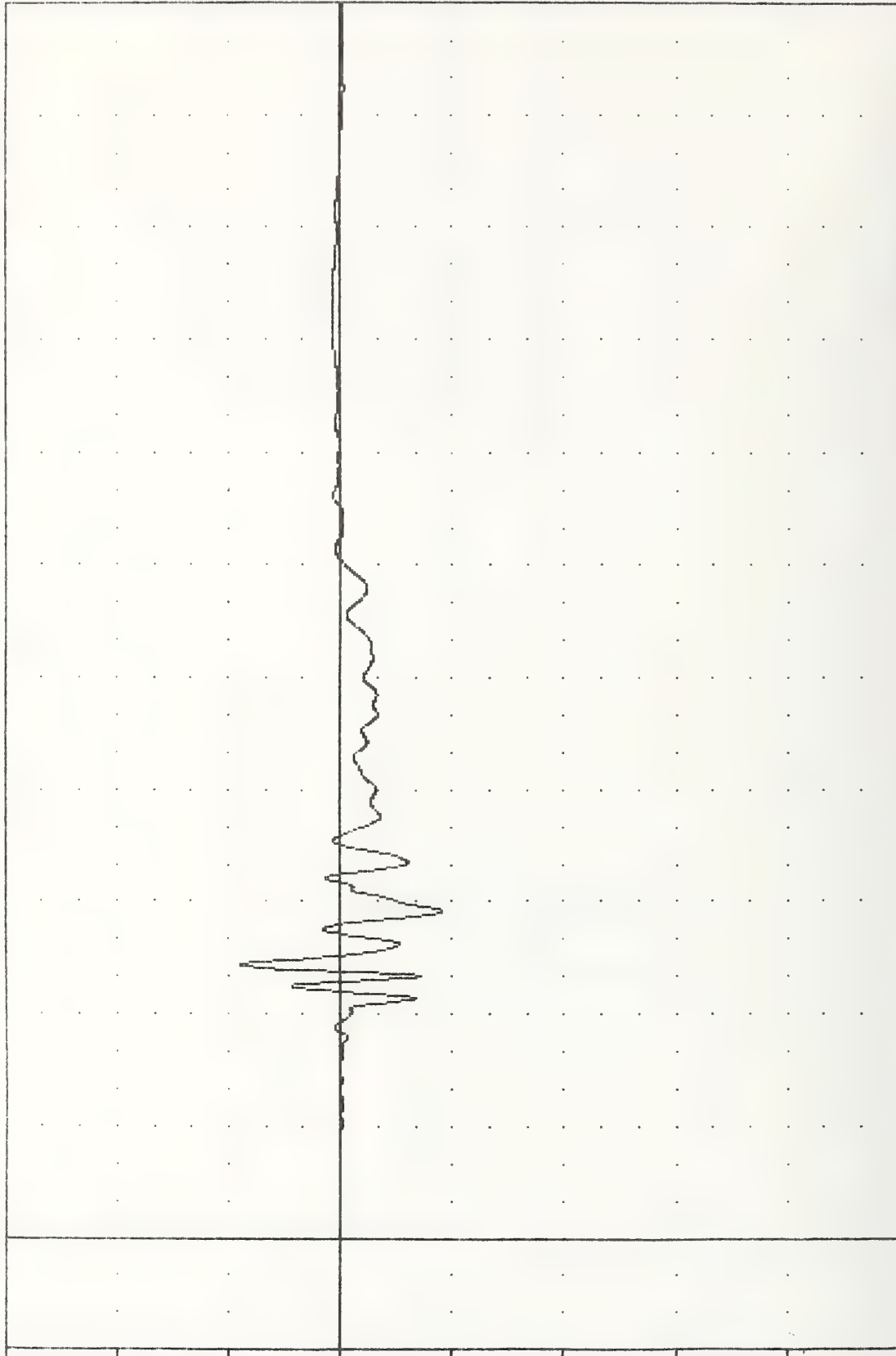
VRTC
BAREO AIRBAG SLED PROGRAM
85143
LSTX61

PLOT DATE 24-MAY-80 11:22:24

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -73.55e 58.38, 72.06 e 48.63

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

TRC446P. RAD; 1
VRTC
RD384-4-39 BREED AIRBAG SLED PROGRAM
85144 35.00 mph 24-MAY-85 13:38

		Min value	Max value	Data Units	Filter
1	EVENT	0.078 @	1.616 @	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-38.314 @	0.115 @	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.574 @	0.138 @	g	BLPF 100/ 316/ -40
4	HEDXG1	-46.337 @	2.484 @	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-3.454 @	1.024 @	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-9.401 @	32.841 @	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-54.770 @	1.722 @	g	BLPF 300/ 949/ -40
8	CSTYG1	-5.861 @	2.504 @	g	BLPF 300/ 949/ -40
9	CSTZG1	-13.546 @	6.330 @	g	BLPF 300/ 949/ -40
10	USTXG1	-90.250 @	22.578 @	g	BLPF 300/ 949/ -40
11	LSTXG1	-87.494 @	38.458 @	g	BLPF 300/ 949/ -40
12	PEVXG1	-33.846 @	2.924 @	g	BLPF 300/ 949/ -40
13	PEVYG1	-4.996 @	8.519 @	g	BLPF 300/ 949/ -40
14	PEVZG1	-24.715 @	1.309 @	g	BLPF 300/ 949/ -40
15	LFMF1	-553.016 @	115.407 @	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-373.091 @	34.872 @	lb	BLPF 1000/ 3162/ -40
17	STHPG	-169.407 @	30.871 @	g	BLPF 100/ 316/ -40
18	STHLG	-12.568 @	30.898 @	g	BLPF 100/ 316/ -40
19	STHIG	-10.258 @	37.569 @	g	BLPF 100/ 316/ -40
20	LPBXG	-25.577 @	1.015 @	g	BLPF 100/ 316/ -40
21	LPBYG	-1.590 @	2.382 @	g	BLPF 100/ 316/ -40
22	LPBZG	-1.027 @	1.676 @	g	BLPF 100/ 316/ -40
23	SHBF1	-0.796 @	1140.146 @	lb	BLPF 100/ 316/ -40
24	LB0F1	-0.025 @	1130.806 @	lb	BLPF 100/ 316/ -40
25	ABTP	-3.226 @	31.619 @	psig	ALPF 1650/ 5214/ -40
26	ABT1	-2.862 @	0.001 @	volt	ALPF 1650/ 5214/ -40
27	ABT2	-9.454 @	0.004 @	volt	ALPF 1650/ 5214/ -40
28	ABT3	-0.040 @	2.338 @	volt	ALPF 1650/ 5214/ -40
29	ABT4	-0.063 @	9.997 @	volt	ALPF 1650/ 5214/ -40

453

TRC446P. RAD; 1
VRTC
RD384-4-39 BREED AIRBAG SLED PROGRAM
85144 35.00 mph 24-MAY-85 13:38

		Min value	Max value	Data Units	Filter
1	HEDXV1	-47.566 @	0.219 @	mph	BLPF 300/ 949/ -40
2	HEDXD1	-71.720 @	0.162 @	in	BLPF 300/ 949/ -40
3	CSTXV1	-43.878 @	-0.100 @	mph	BLPF 300/ 949/ -40
4	CSTXD1	-72.352 @	-0.053 @	in	BLPF 300/ 949/ -40
5	PEVXV1	-29.755 @	-0.033 @	mph	BLPF 300/ 949/ -40
6	PEVXD1	-51.824 @	-0.024 @	in	BLPF 300/ 949/ -40
7	SLDXV1	-38.015 @	0.027 @	mph	BLPF 300/ 949/ -40
8	SLDXD	-71.140 @	0.017 @	in	BLPF 300/ 949/ -40
9	STHPV	-37.228 @	-0.141 @	mph	BLPF 300/ 949/ -40
10	STHPD	-62.865 @	-0.081 @	in	BLPF 300/ 949/ -40
11	LPBXV	-37.245 @	0.024 @	mph	BLPF 300/ 949/ -40
12	LPBXD	-68.633 @	0.002 @	in	BLPF 300/ 949/ -40

TRC446P. RAD; 1
VRTC
RD384-4-39 BREED AIRBAG SLED PROGRAM
85144 35.00 mph 24-MAY-85 13:38

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.055 @	54.884 @	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.031 @	54.921 @	g	BLPF 300/ 949/ -40
3	PEVRG1	0.068 @	41.366 @	g	BLPF 300/ 949/ -40
4	STHRG	0.114 @	173.223 @	g	BLPF 100/ 316/ -40
5	LPBRG	0.088 @	25.608 @	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC446RP.RAD;1
VRTC RD384-4-39 BREED AIRBAG SLED PROGRAM
85144 35.00 mph

* * * HIC computation for HEDRG1

24-MAY-85 13:41

Using time range = 0.000 to 143.375 msec Peak accel = 54.88 @ 74.500

HIC = 412.57 Interval from 60.000 [641] to 113.750 [1071]

HIC = 258.70 Interval from 67.250 [699] to 82.250 [819]

R SYSP:THREEMS

*** Three ms clip program for chest resultant channel ***

THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC446RP

File TRC446RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-39 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC446RP.RAD;1 VRTC RD384-4-39
BREED AIRBAG SLED PROGRAM 35.0 mph 85144 24-MAY-85 13:49:02
Deltax: 0.125

3 MS CLIP PEAK: 54.18718

Please run LSTRAD on this channel for the full time
and give it to the Project manager to double-check peak

Enter channel name -> ^Z

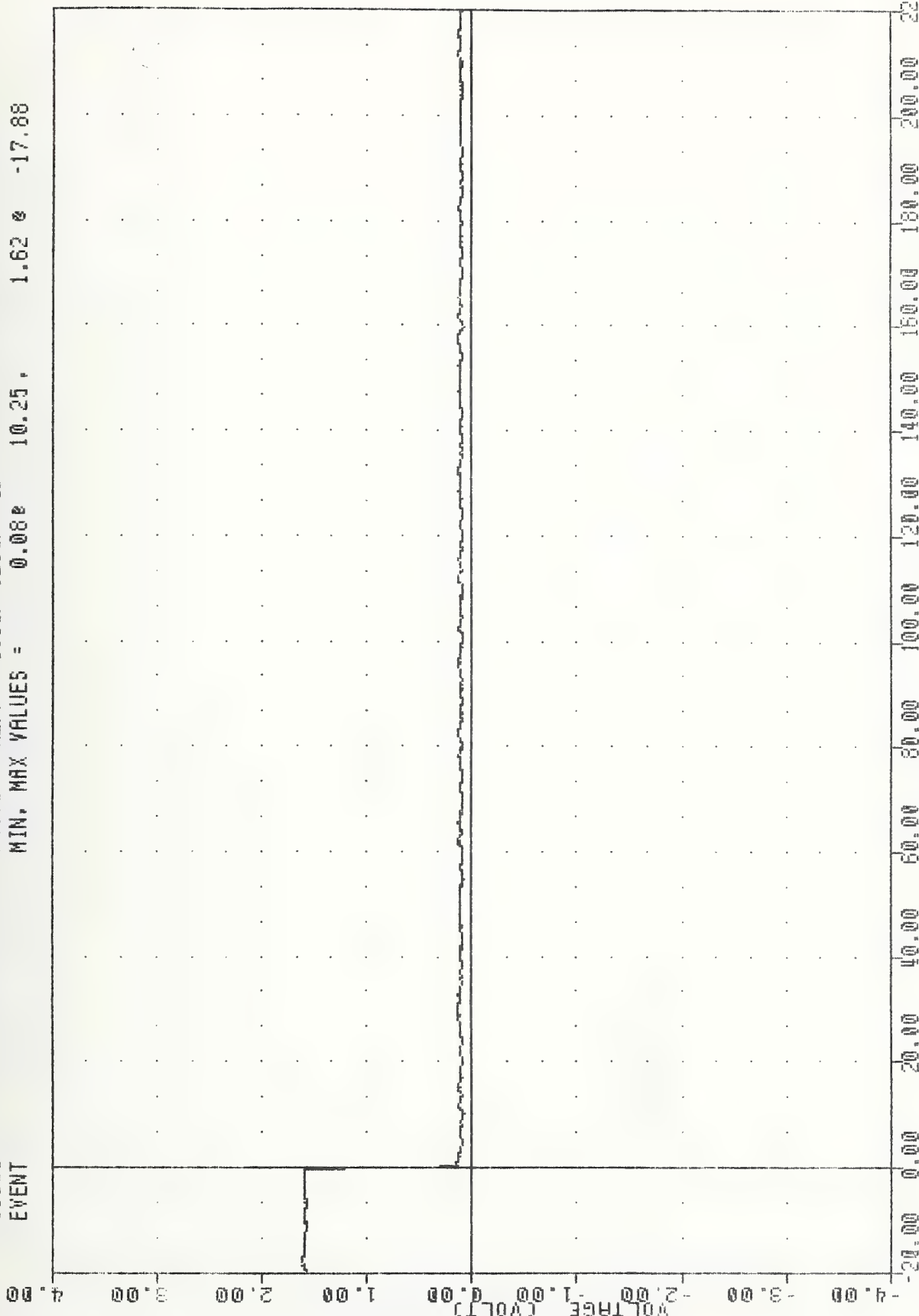
Enter input filespec -> ^Z

NRTC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
EVENT

PLOT DATE 28-MAY-85 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.08e 10.25, 1.62 e -17.88



CHEVROLET IMPALA SLED TEST - 95 MPH - 50TH PERCENTILE DUMMY
EVENT

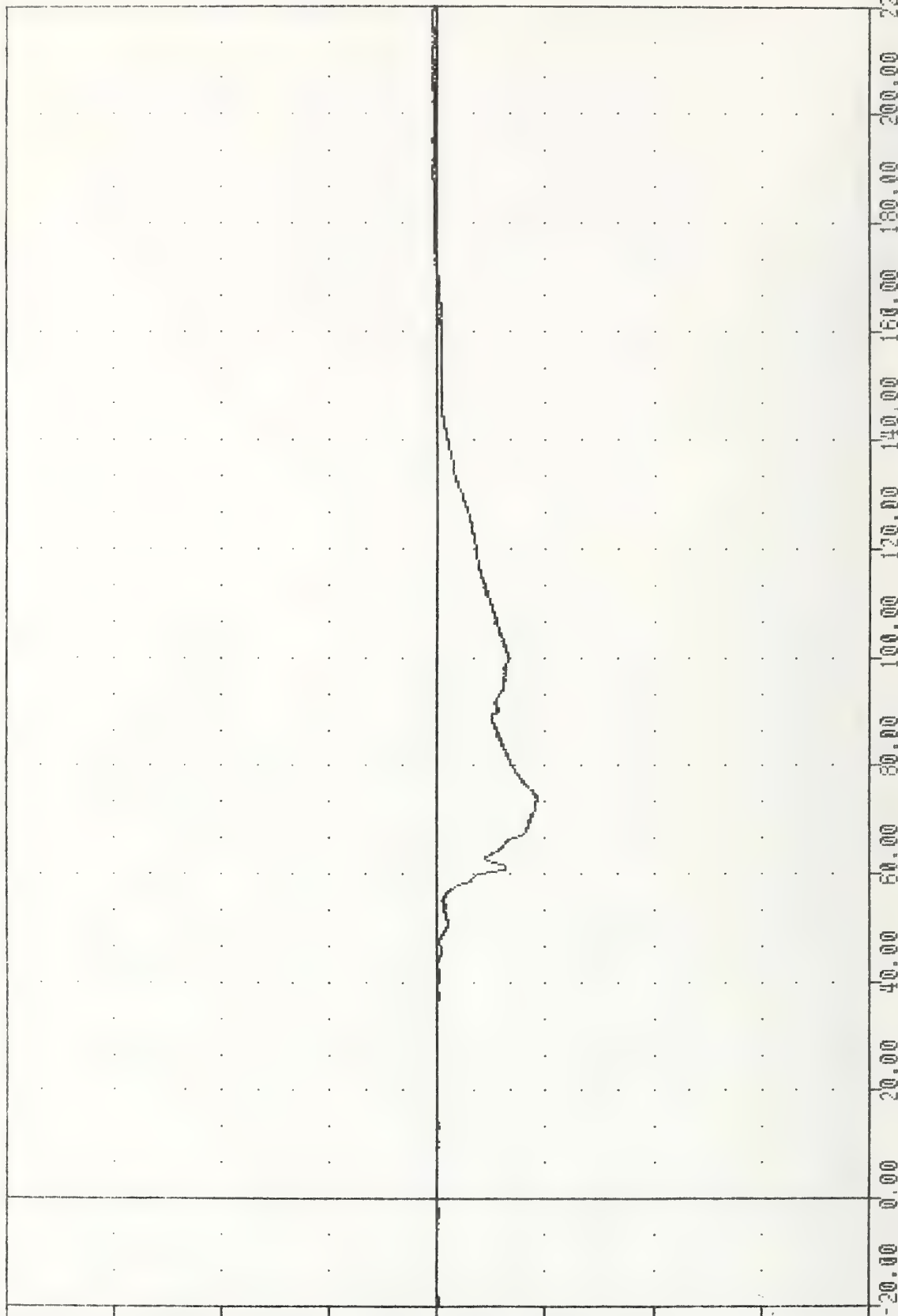
VRIC : R03-4-4 24
BREED AIRBAG SLED PROGRAM
85144
HEDXG1

TEST DATE 20-MAY-85 18:12:14

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -46.340 73.63, 2.480 216.13

ACCELERATION (G)



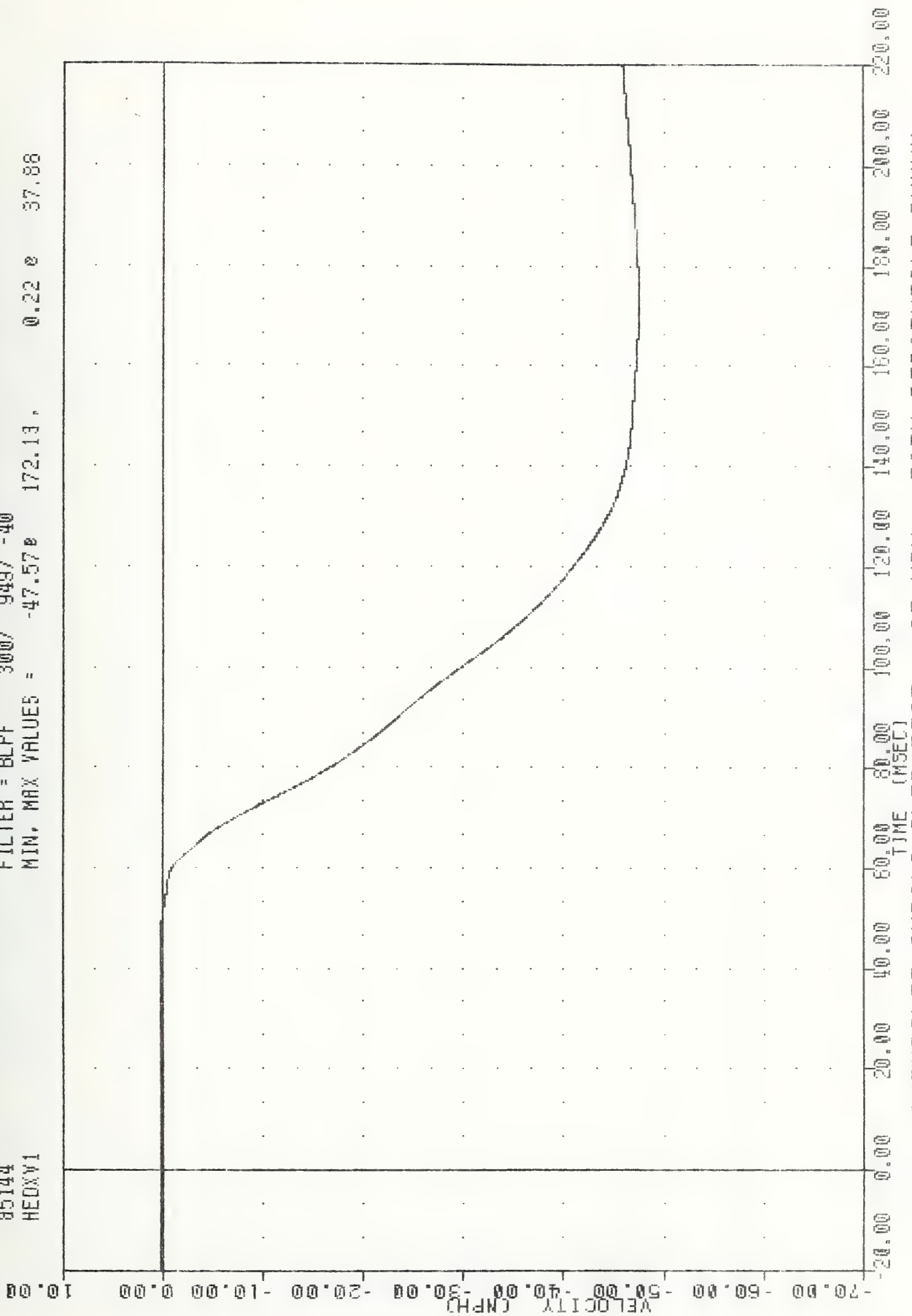
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRIC
BREED AIRBAG SLED PROGRAM
85144
HEDXV1

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -47.57e 172.13, 0.22 e 37.88



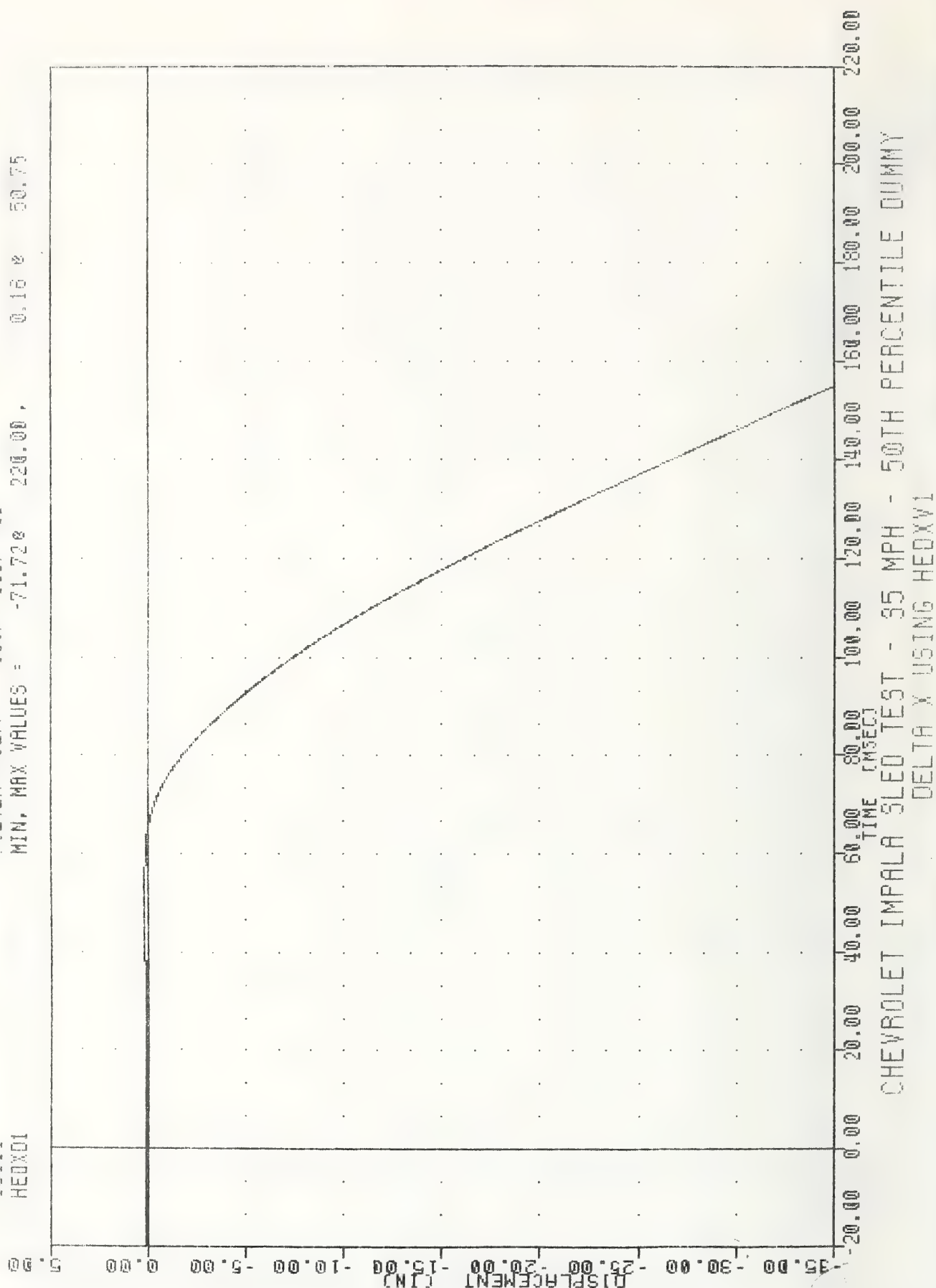
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRIC , RD384-4-89
 BREED AIRBAG SLED PROGRAM
 85144
 HEDX01

PLOT DATE 26 MAY 95 13:15:13

FILTER = 8LFF 300/ 949/ -40

MIN. MAX VALUES = -71.72 220.00 0.16 50.75

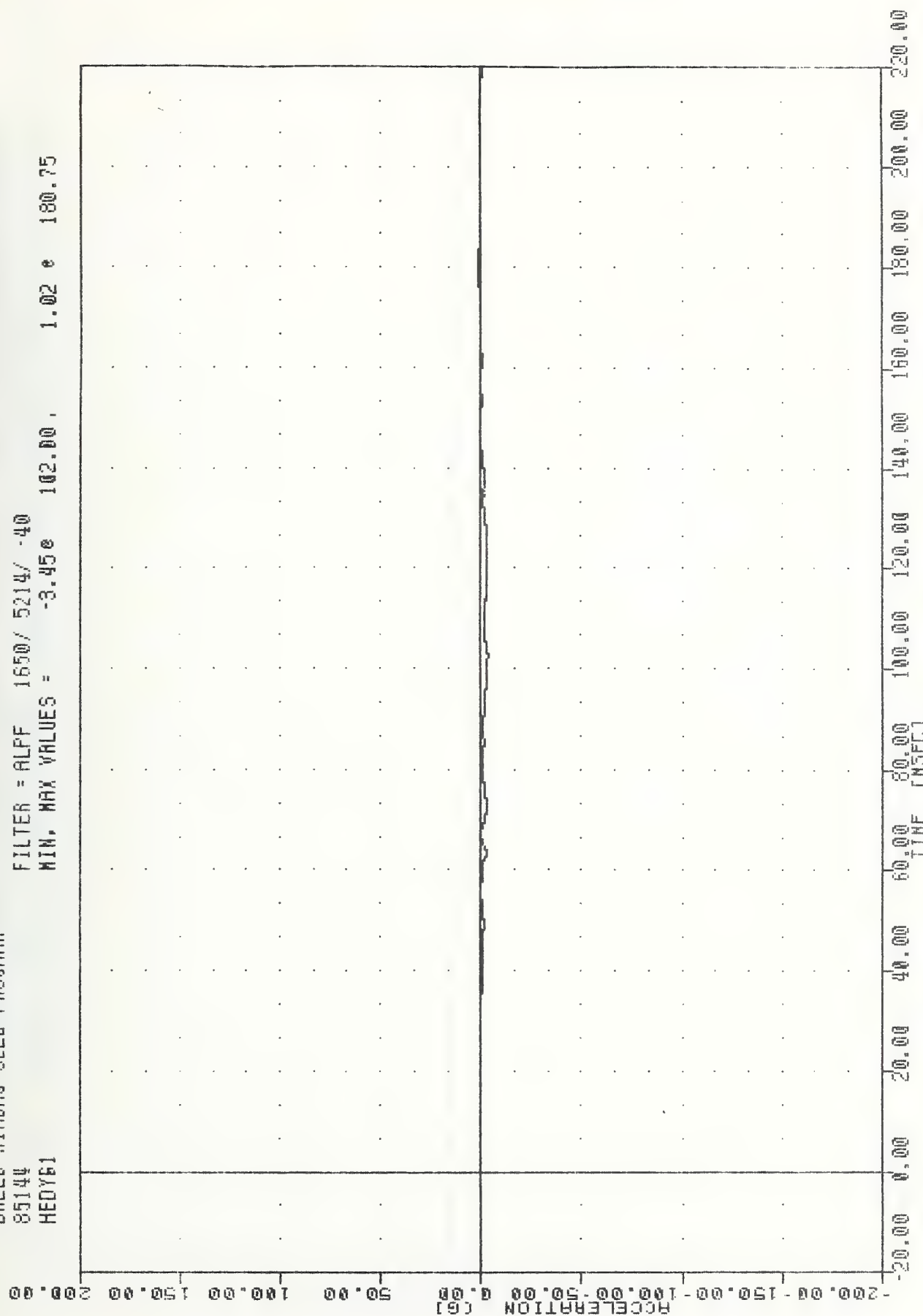


WRTC , R0384-4-59
 BREED AIRBAG SLED PROGRAM
 85144
 HEDY61

PLOT DATE 28-MAY-85 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.45e 102.00, 1.02 e 180.75

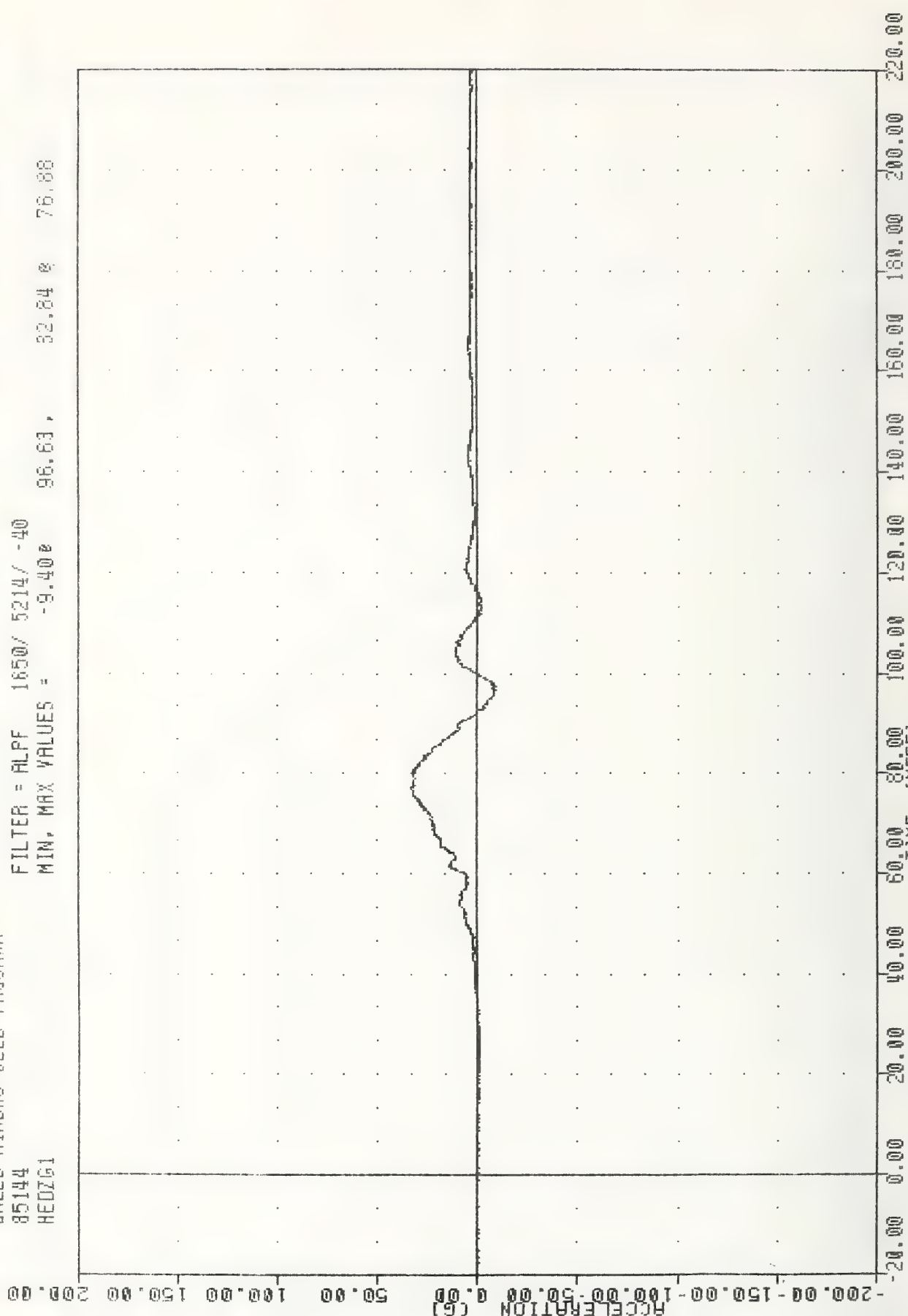


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

VRTC , R0384-4-39
 BREED AIRBAG SLED PROGRAM
 85144
 HEDZG1

PLOT DATE 28-MAY-85 13:12:24

FILTER = ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = -9.40e 96.63, 32.84 e 76.88



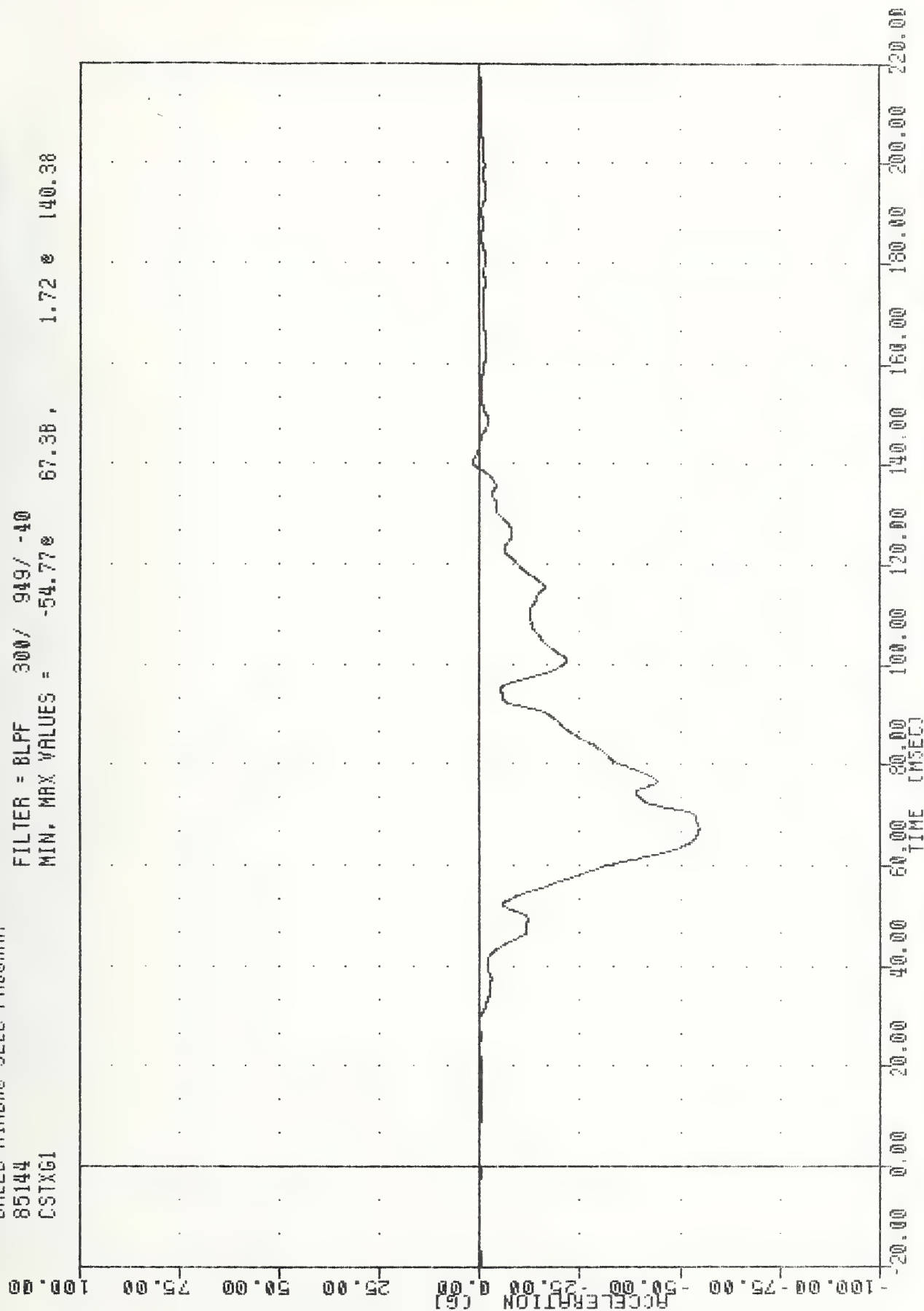
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Z AXIS

VRIC , RD384-4-39
 BREED AIRBAG SLED PROGRAM
 85144
 CSTXG1

PLOT DATE 28-MAY-85 13:12:24

FILTER = 8LFF 300/ 949/ -40

MIN, MAX VALUES = -54.77e 67.38, 1.72 e 140.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION X AXIS

WRTC RD364-4-39
BREED AIRRAG SLED PROGRAM
85144
CSTXV1

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -43.88e 217.25 -0.10 e -8.25

10.00

0.00

-10.00

-20.00

-30.00

-40.00

-50.00

-60.00

-70.00

VELOCITY (MPH)

-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (NSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

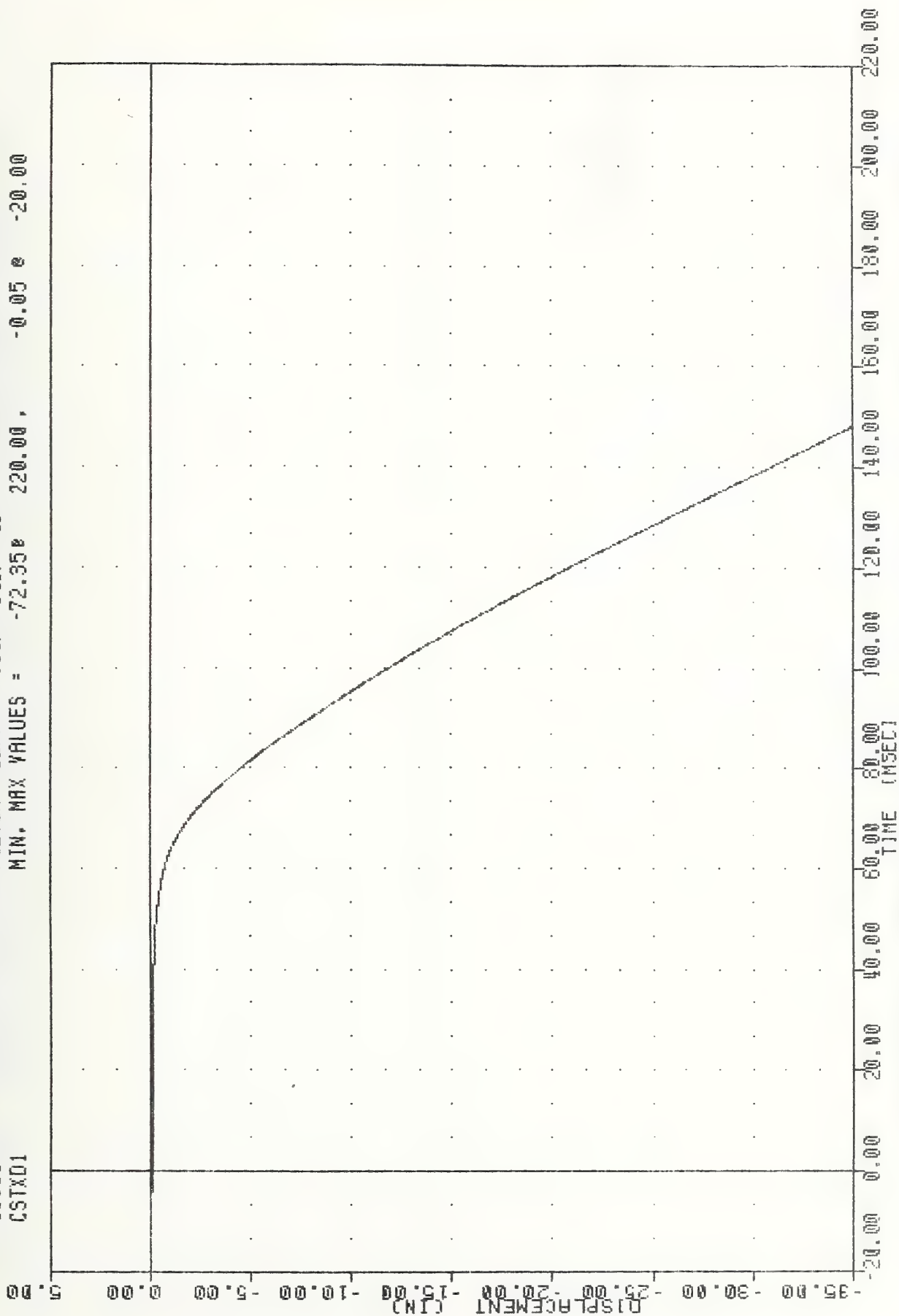
DELTA V USING CSTXG1

VRTC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85144
CSTXD1

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -72.35e 220.00 , -0.05 e -20.00

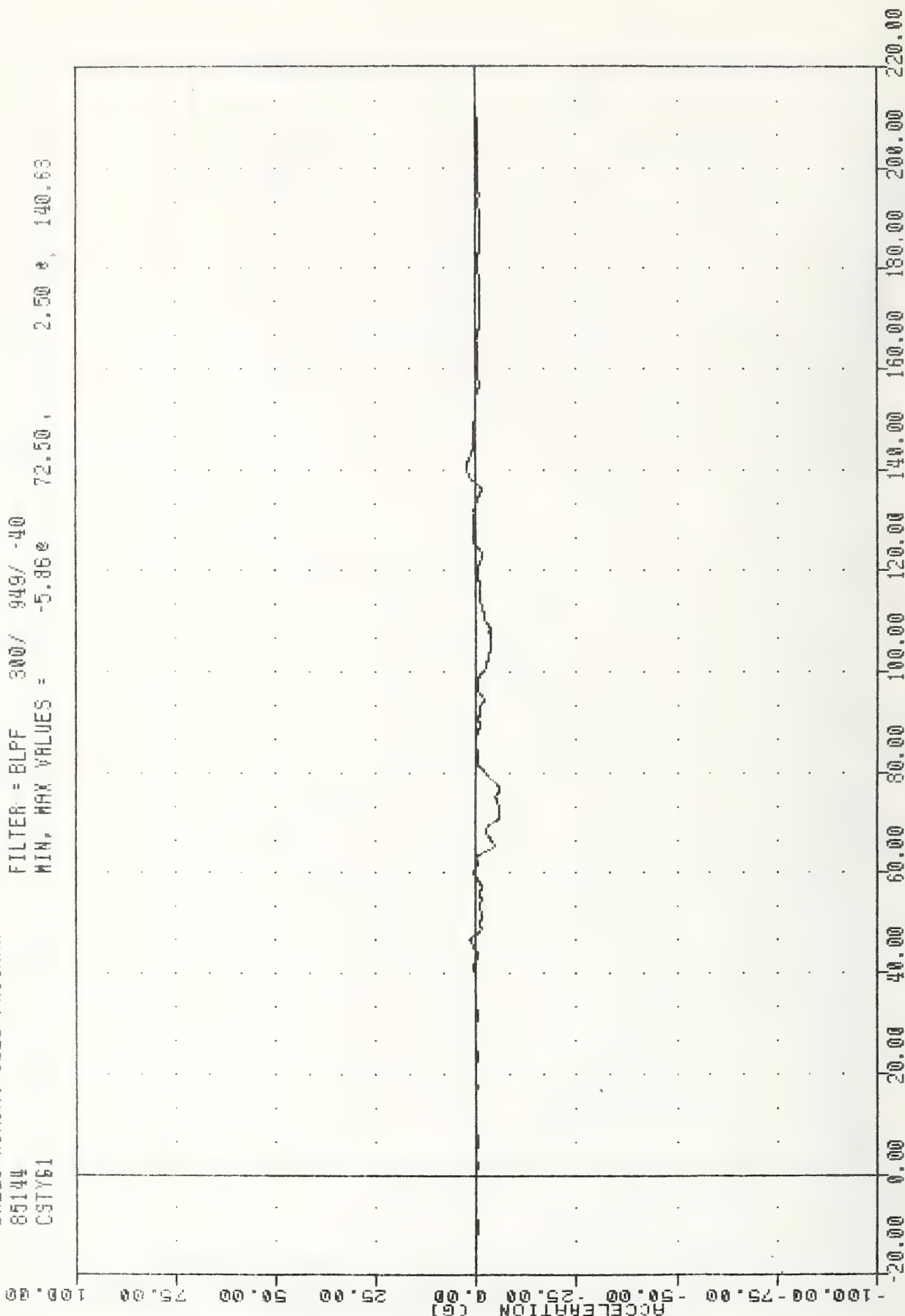


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXV1

VRTC RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
CSTY61

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -5.86e 72.50, 2.50 e, 140.63

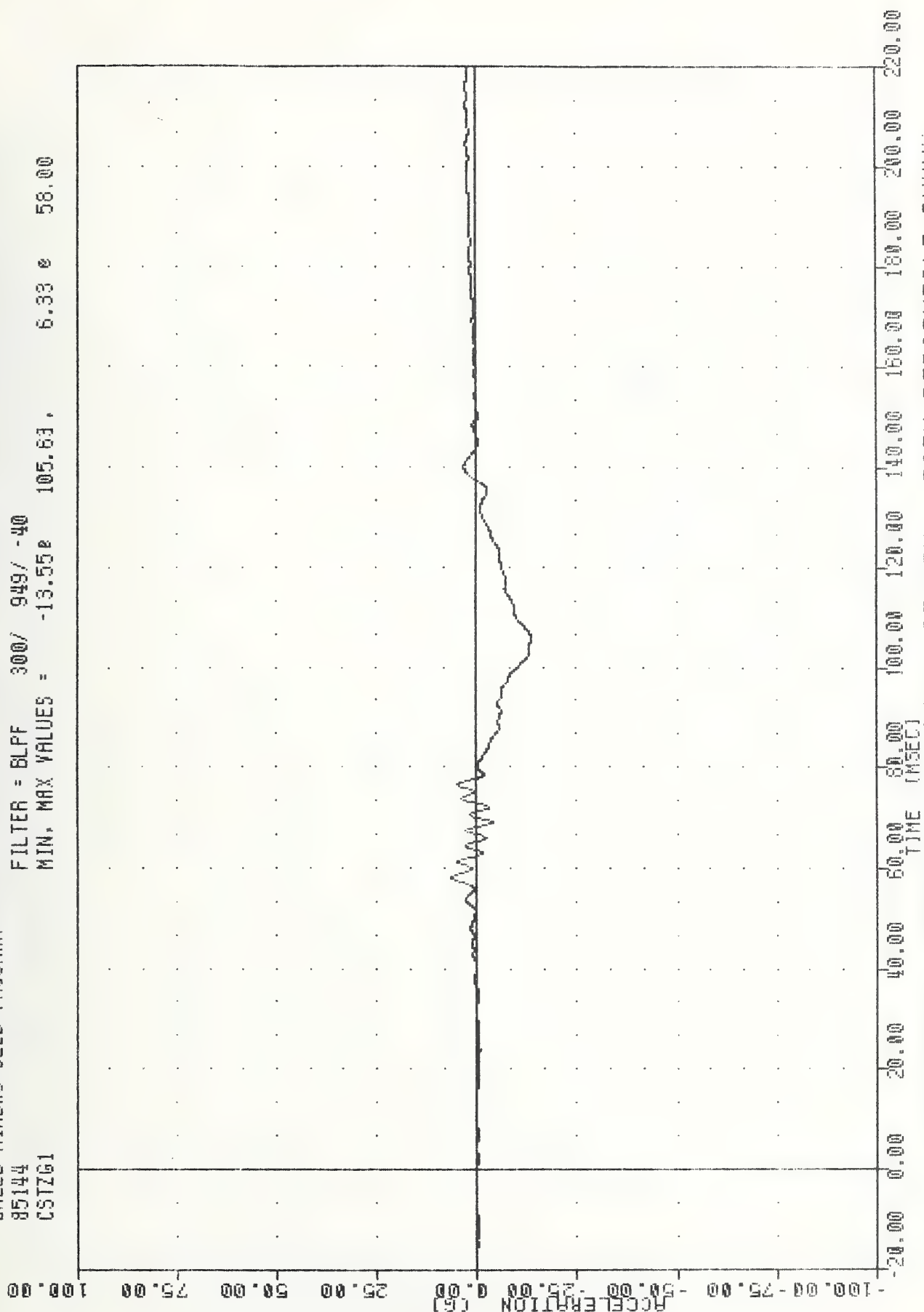


VRIC , R0384-4-39
BRAED AIRBAG SLED PROGRAM
85144
CS7G1

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 300/ 949/ -40

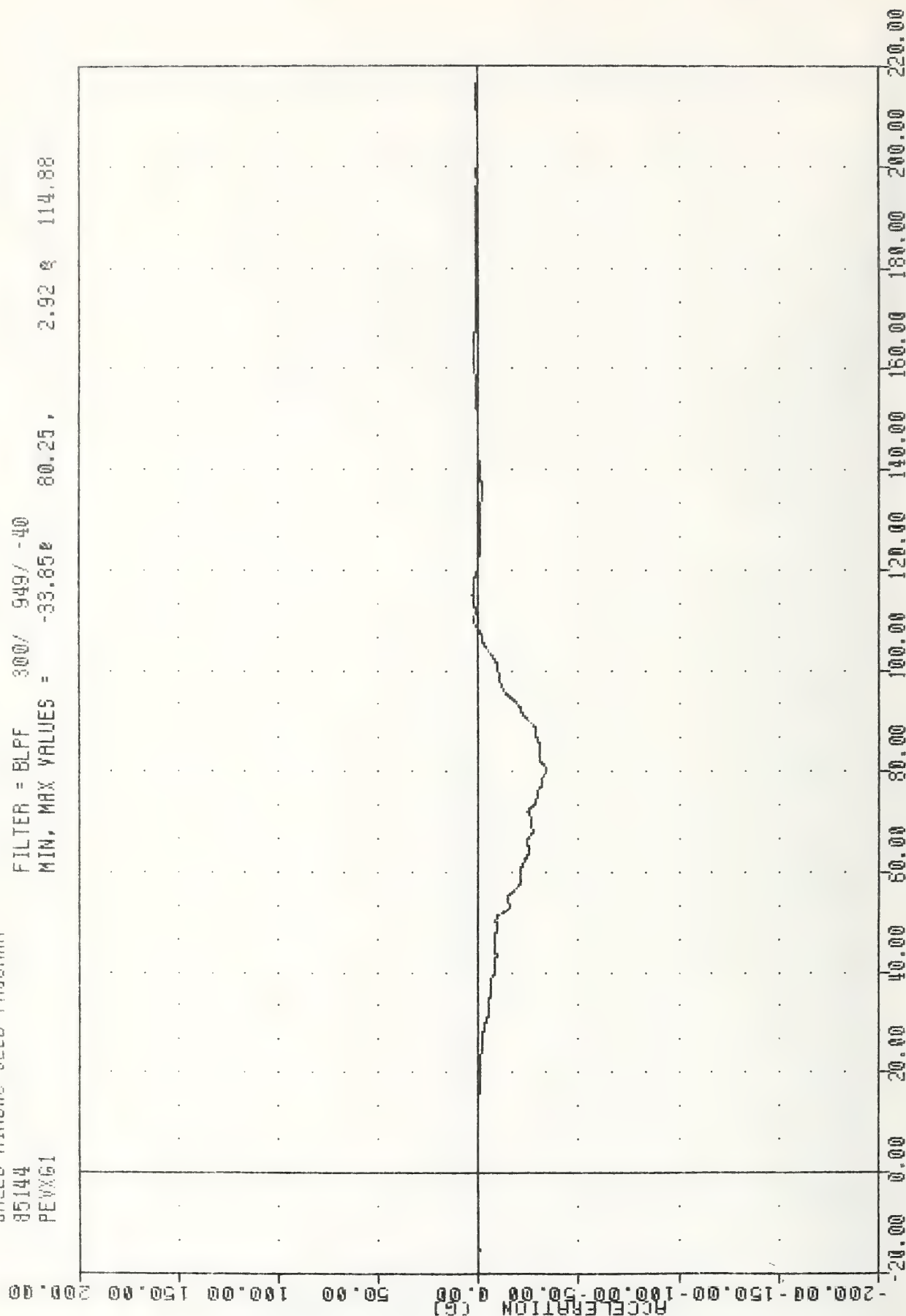
MIN, MAX VALUES = -13.55e 105.63, 6.33 e 58.00



VRTC
BREED AIRBAG SLED PROGRAM
85144
PEVX61

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -33.85 80.25, 2.92 114.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRTC , RD384-4-39 PLOT DATE 28-MAY-85 13:15:43

BREED AIRBAG SLED PROGRAM

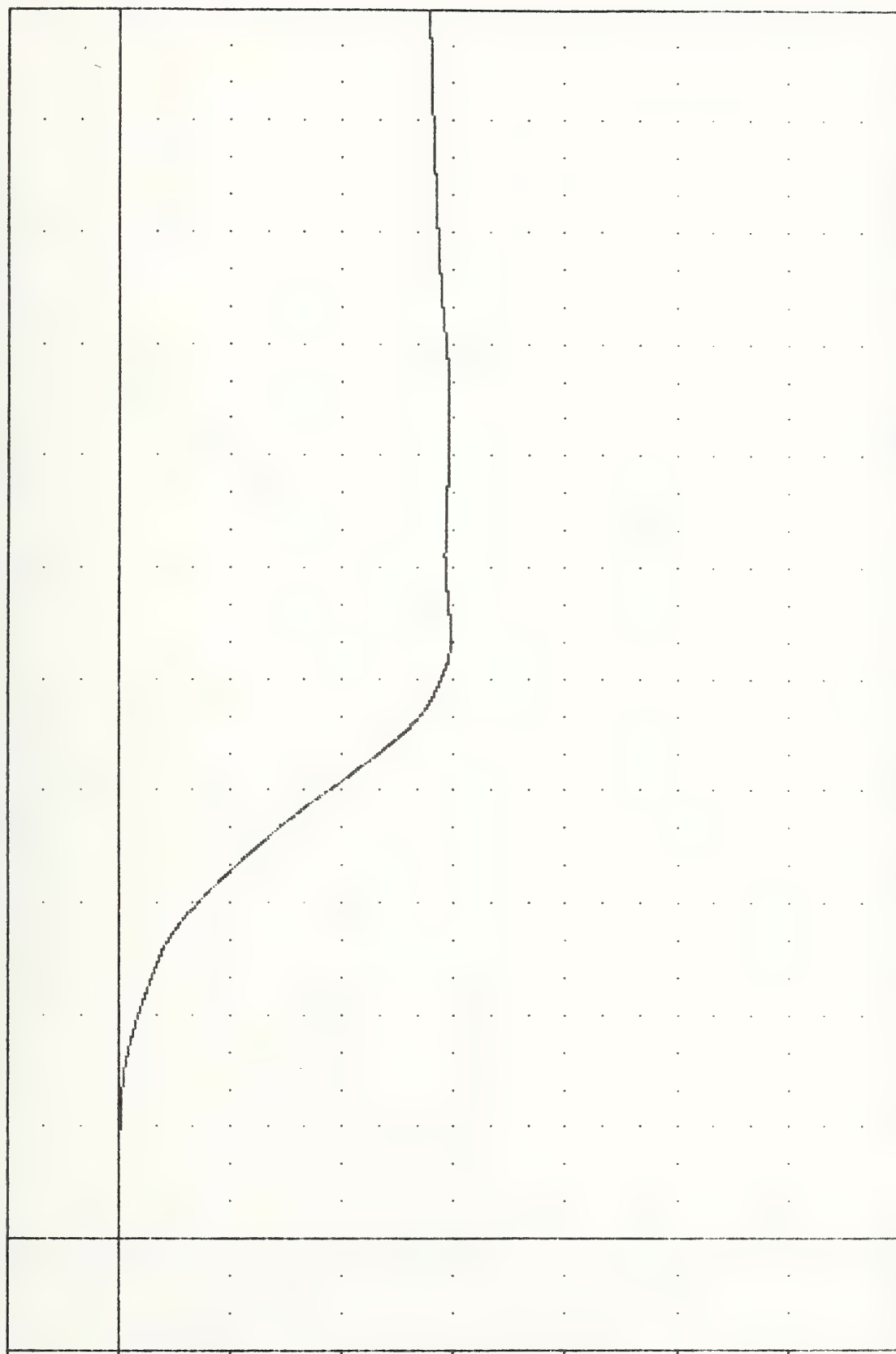
FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -29.75e 108.13, -0.03 e -16.75

85144
PEVXV1

10.00
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
-90.00
-100.00
-110.00
-120.00
-130.00
-140.00
-150.00
-160.00
-170.00
-180.00
-190.00
-200.00
-210.00
-220.00
-230.00
-240.00
-250.00
-260.00
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-290.00
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-310.00
-320.00
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-360.00
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-820.00
-830.00
-840.00
-850.00
-860.00
-870.00
-880.00
-890.00
-900.00
-910.00
-920.00
-930.00
-940.00
-950.00
-960.00
-970.00
-980.00
-990.00
-1000.00

VELOCITY (MPH)



20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

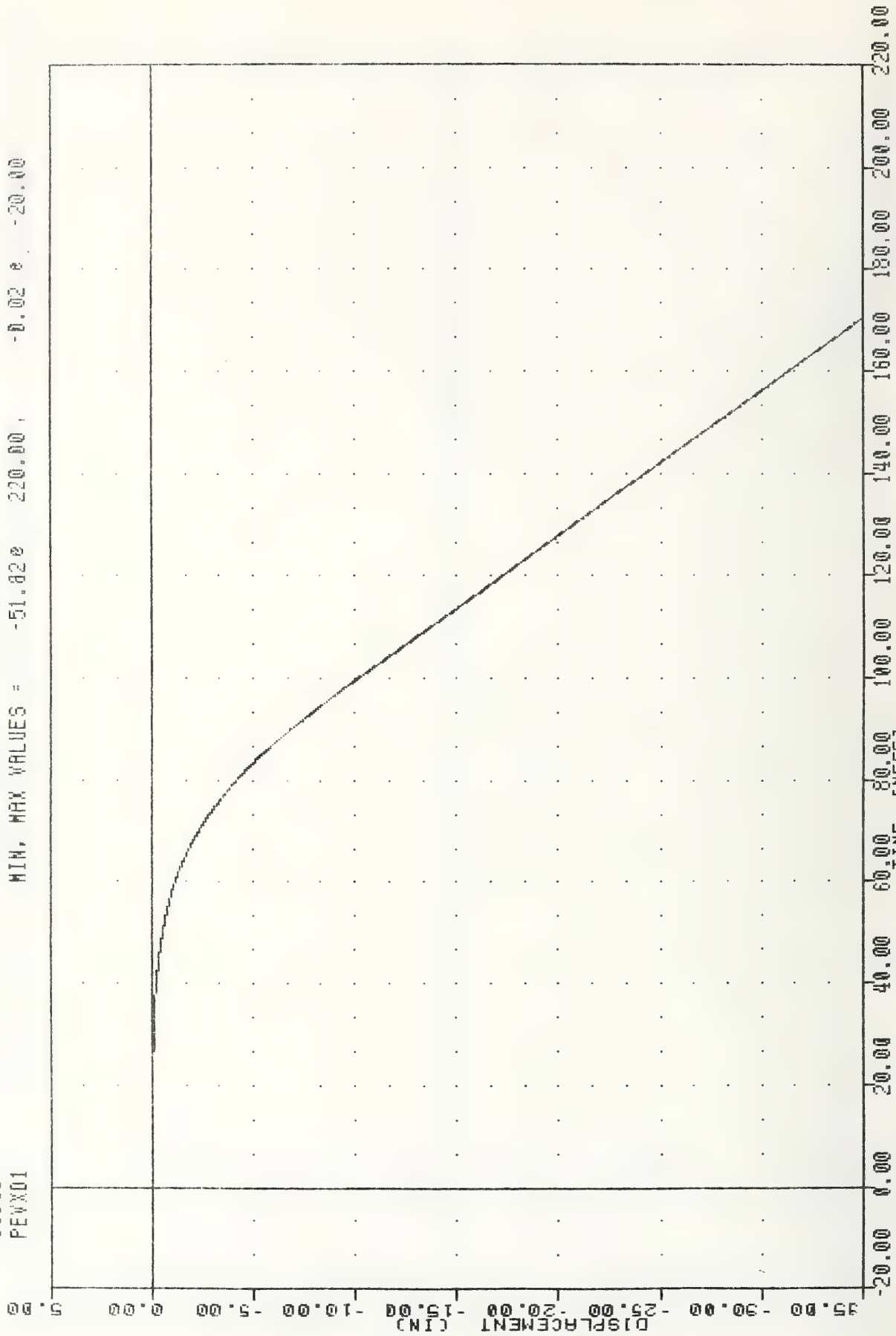
DELTA V USING PEVXG1

WRTC
 BREED AIRBAG SLED PROGRAM
 85144
 PEVX01

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -51.820 220.00, -0.020 -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

DELTA X USING PEVXV1

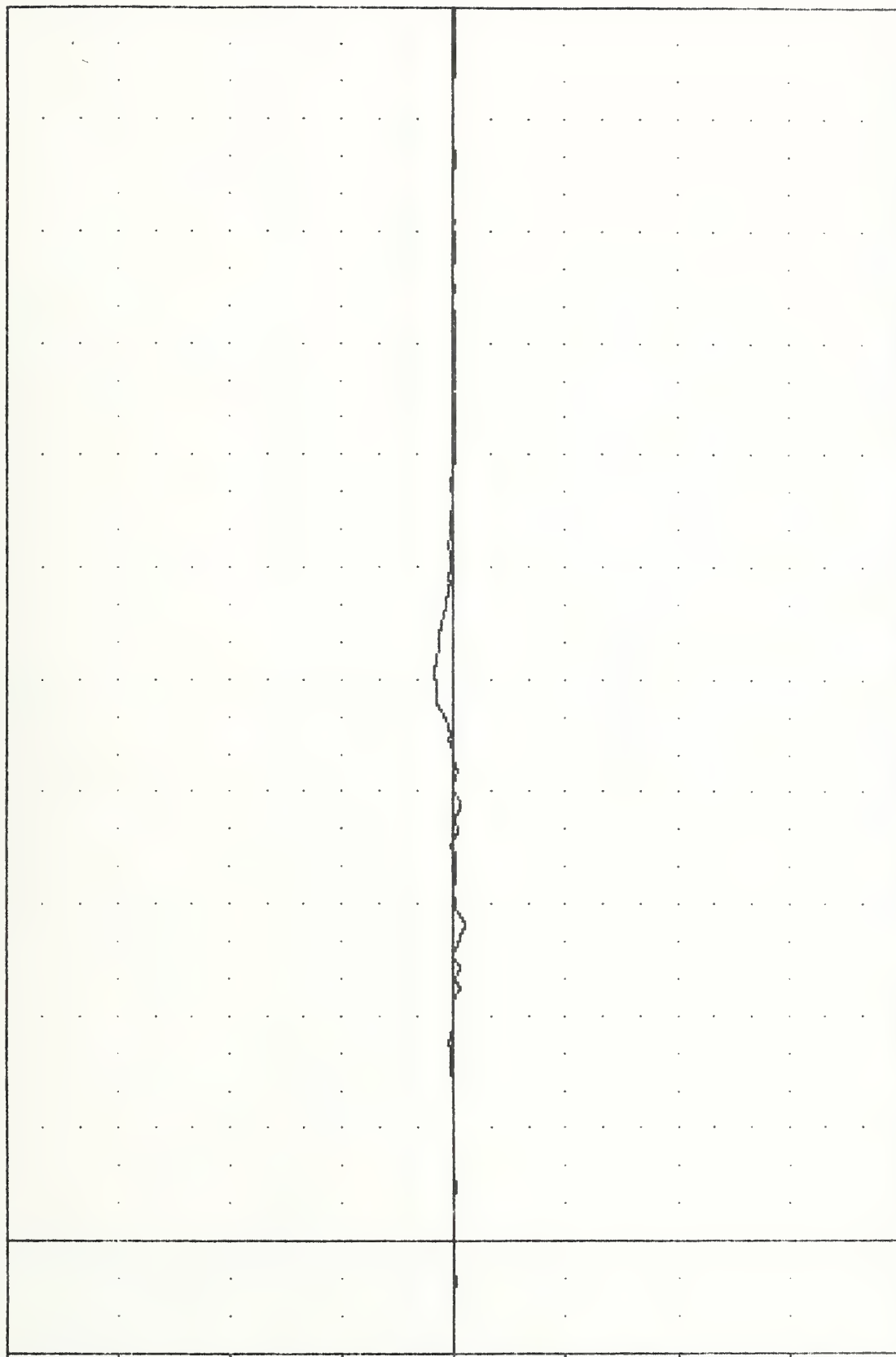
WRIC 80384-4-39
BREED AIRBAG SLED PROGRAM
85144
PEVYG1

PLOT DATE 26-MAY-85 13:12:24

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -5.00e 56.25, 8.52 e 101.25

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VRTC , RD084-4-30
 BREED AIRBAG SLED PROGRAM
 85144
 PEVZ61

PLOT DATE 20 APR 80 13:12:29

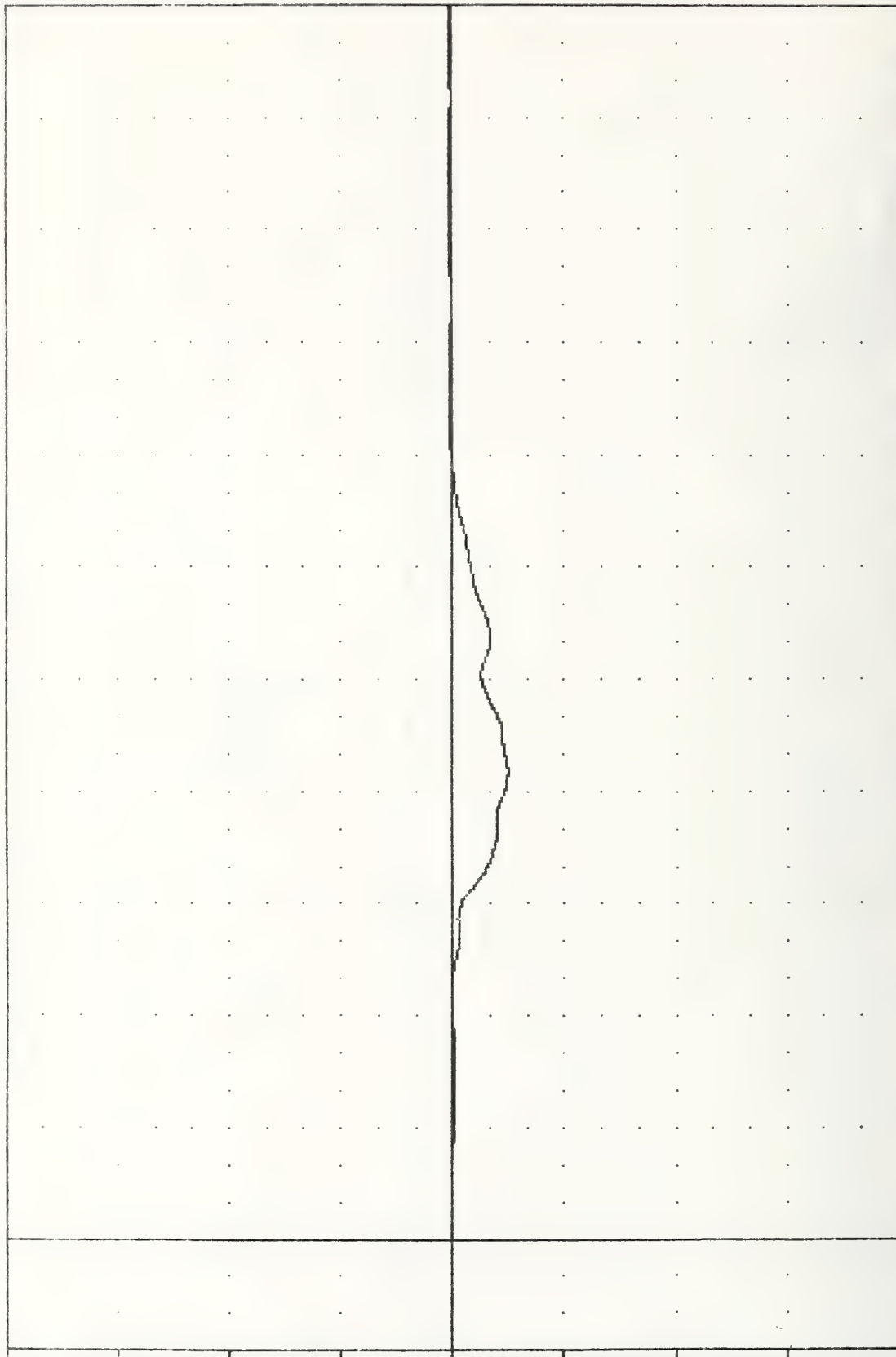
ACCELERATION (G)

-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00

-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

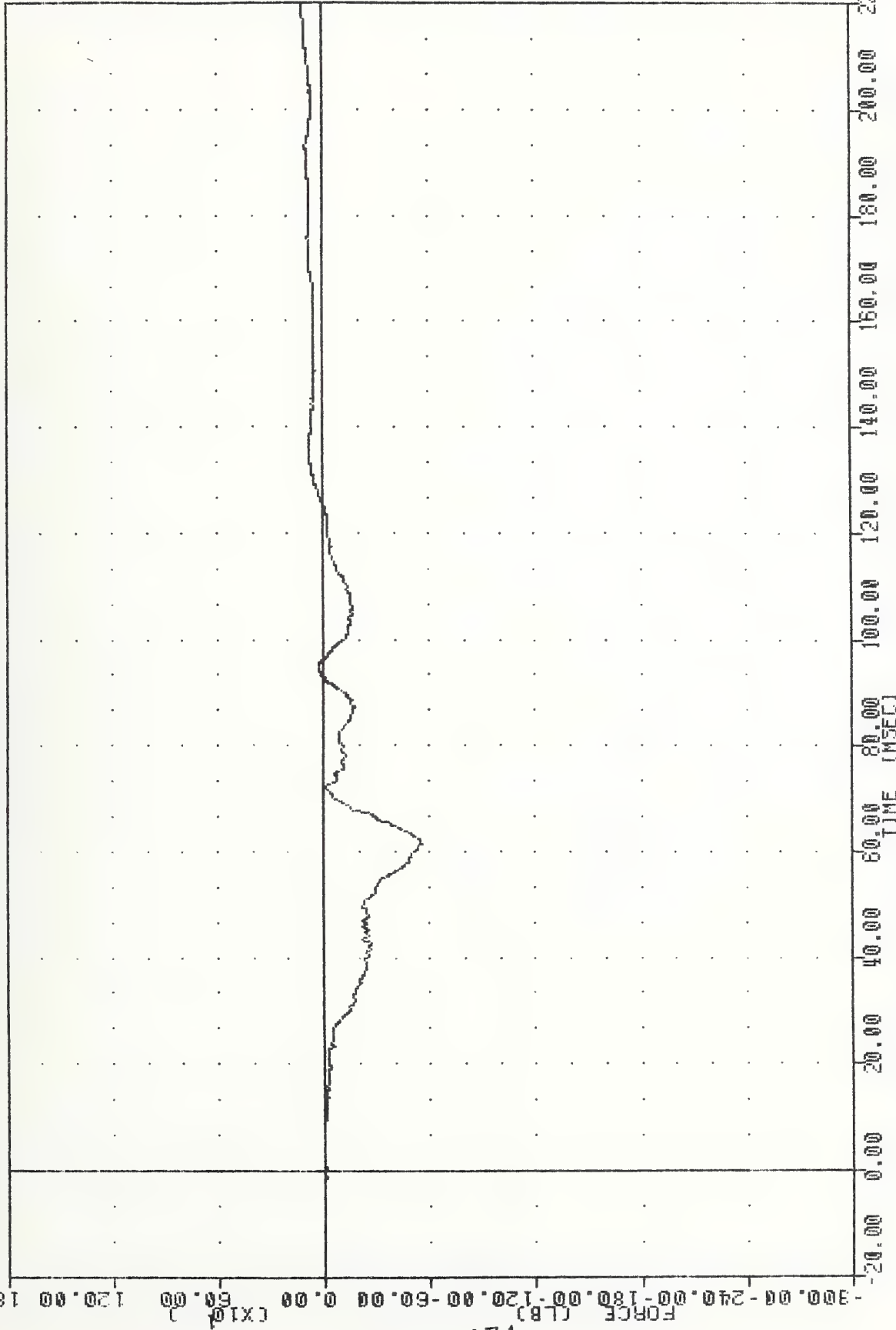
TIME (MSEC)

MIN. MAX VALUES = -24.71e 83.53, 1.31 e, 194.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

VRTC , R0384-4-39 PLOT DATE 28-MAY-85 13:12:24
 BREED AIRBAG SLED PROGRAM
 85144
 LFMF1
 FILTER = BLPF 1000/ 3162/ -40
 MIN. MAX VALUES = -553.02 61.50, 115.41 219.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER LEFT FEMUR FORCE

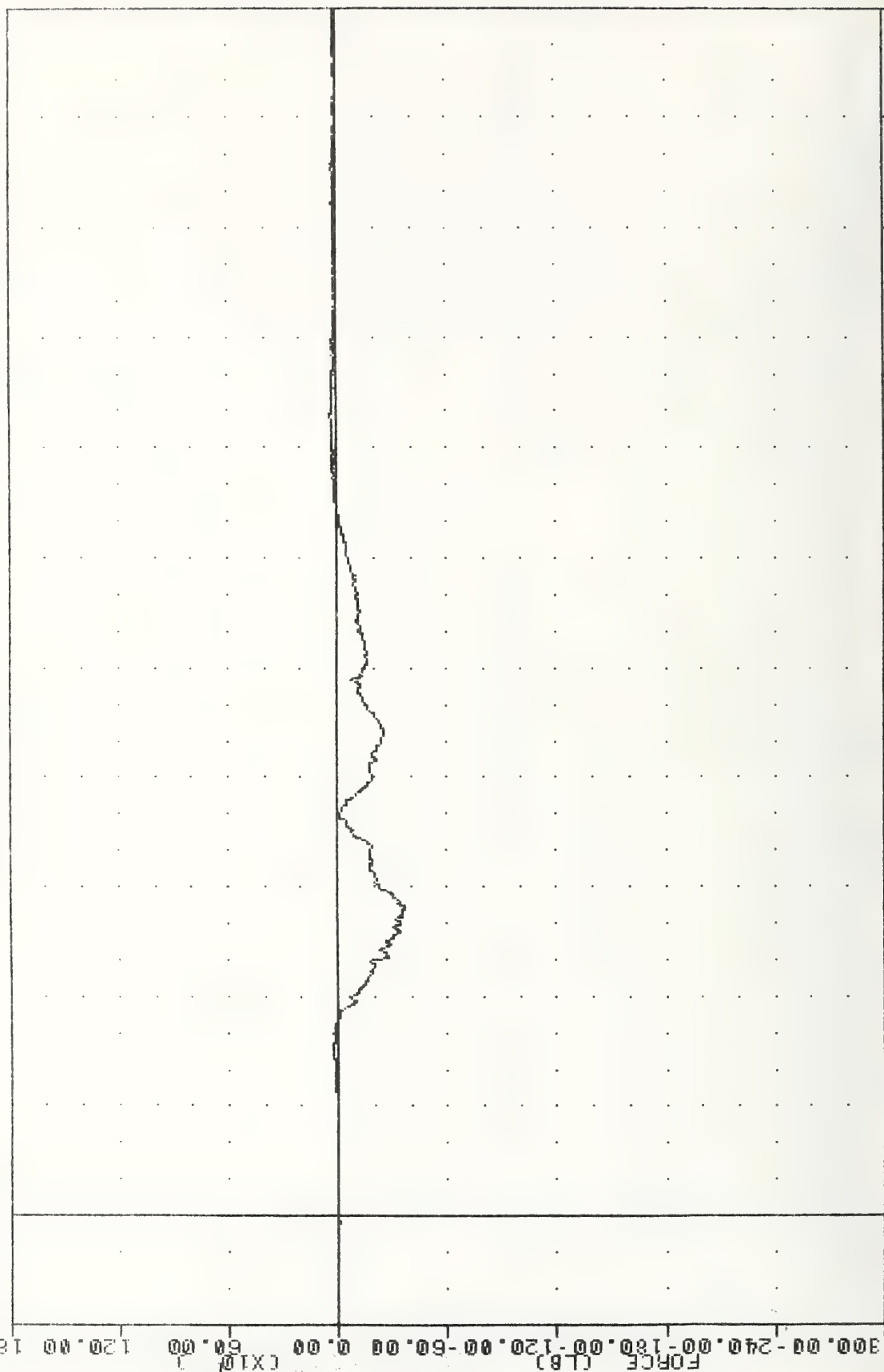
VRIC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
RFNF1

PLOT DATE 28-MAY-85 13:12:04

FILTER = BLFF 1000/ 3162/ -40

MIN. MAX VALUES = -373.09e 56.13 , 34.87 e ' 145.63

FORCE (LB)
CX10



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

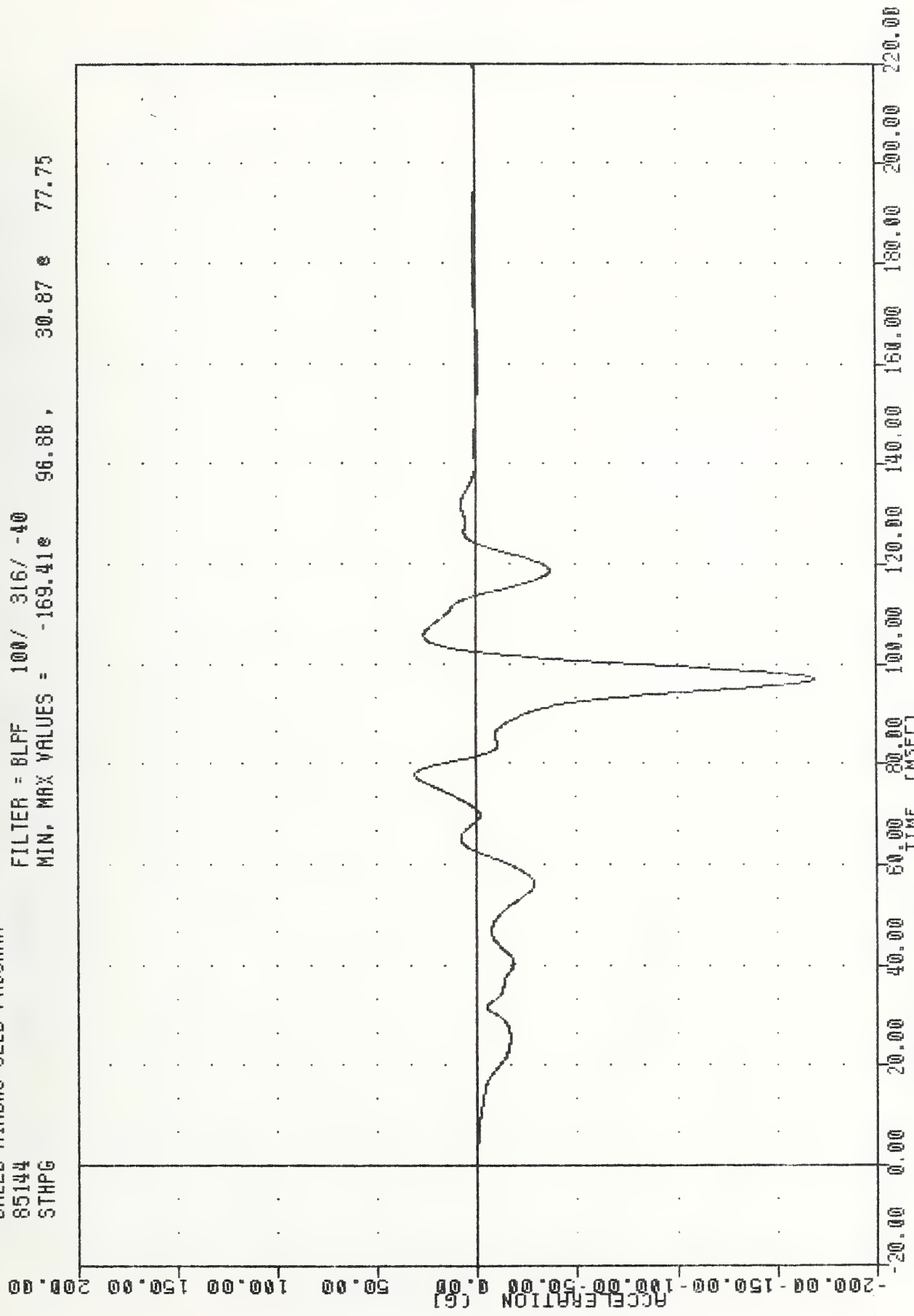
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VRIC
BREED AIRBAG SLED PROGRAM
85144
STHPG

PLOT DATE 28-MAY-85 13:12:24

FILTER = 8LPF 100/ 316/ -40

MIN, MAX VALUES = -169.41e 96.88, 30.87 e 77.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

VRTC
 BREED AIRBAG SLED PROGRAM
 85144
 STHPY

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -37.230 120.88, -0.14 0 -16.63

10.00

0.00

0.00

-10.00

-20.00

-30.00

-40.00

-50.00

-60.00

-70.00

-80.00

-90.00

-100.00

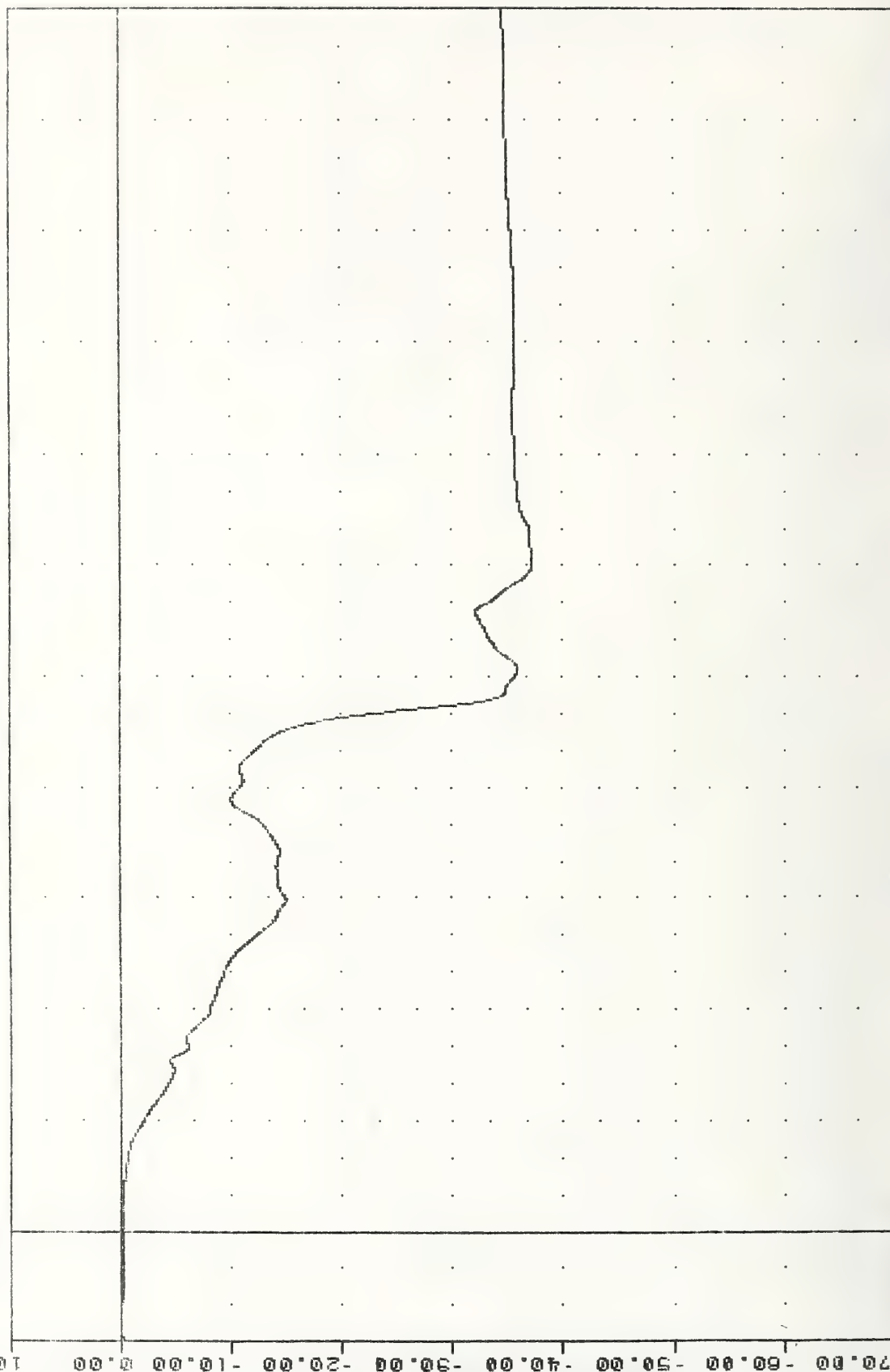
-110.00

-120.00

-130.00

-140.00

474



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

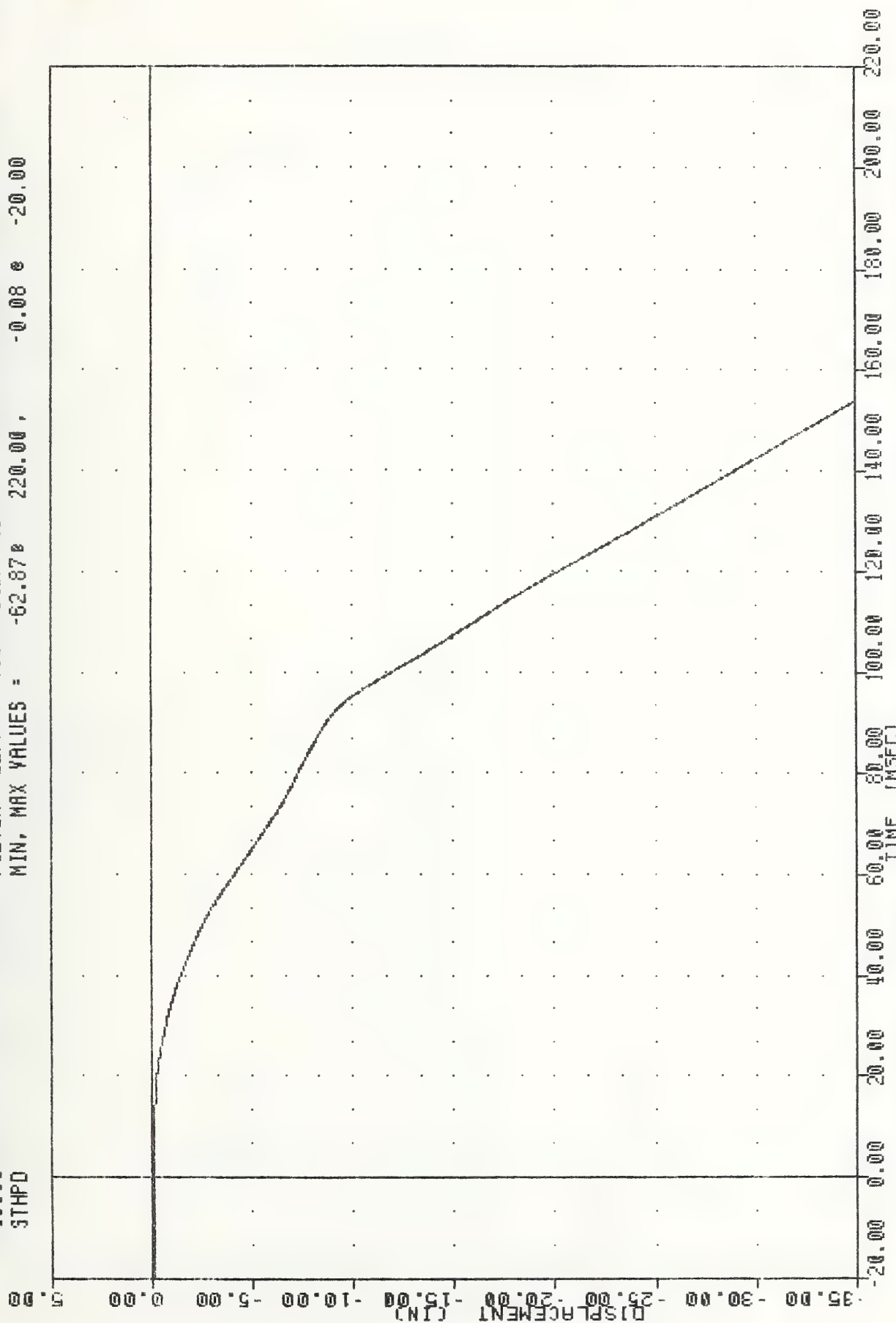
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

DELTA V USING STHPG

VRTC , R0384-4-39
BREED AIRBAG SLED PROGRAM
85144
STHPD

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -62.870 220.00 , -0.08 0 -20.00



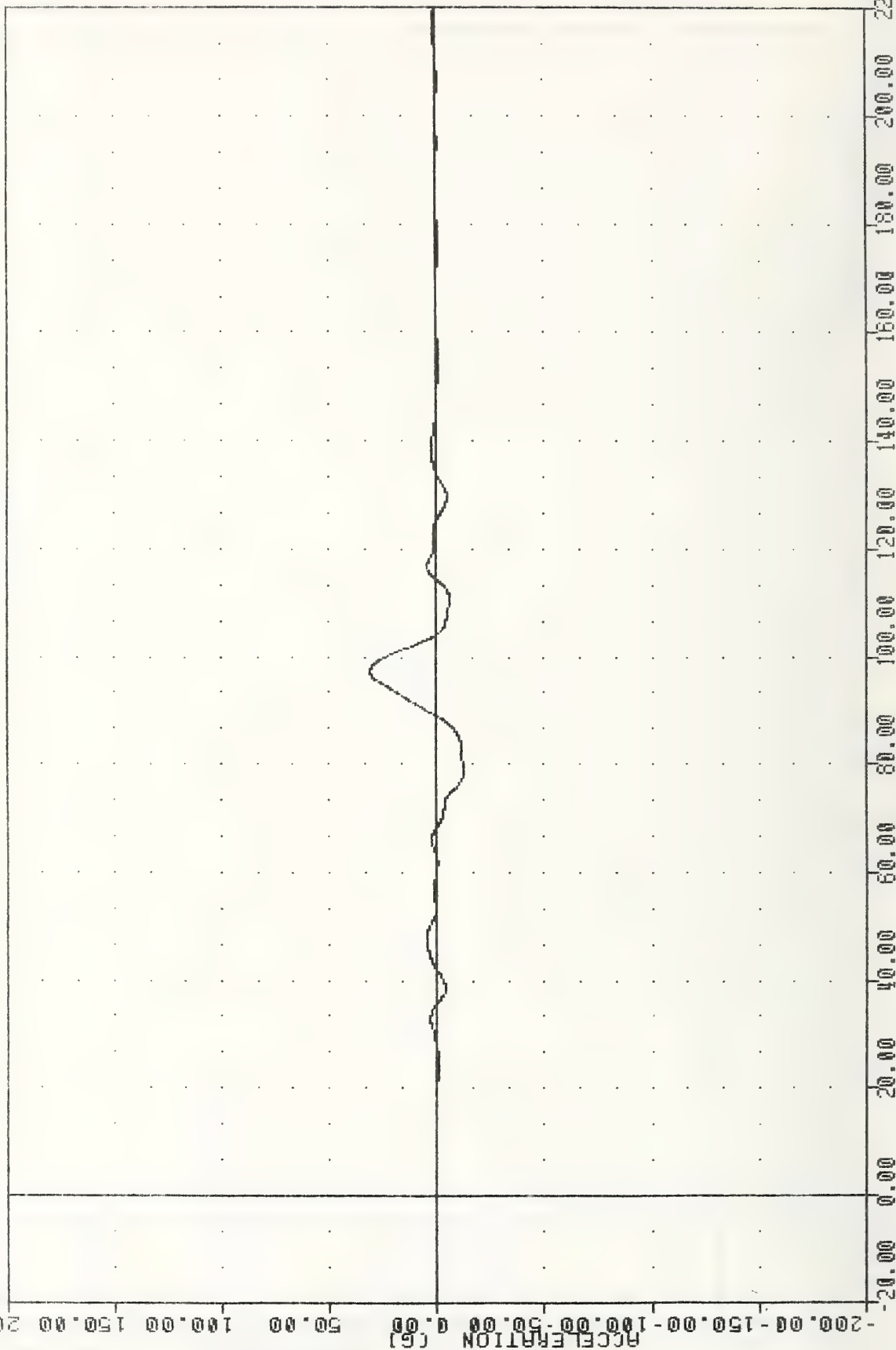
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING STHPV

VRTO
BAEED AIRBAG SLED PROGRAM
85144
3THLG

PLT DATE 28-MAY-85 13:12:24

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -12.57 78.75, 30.90 97.25

ACCELERATION (G)



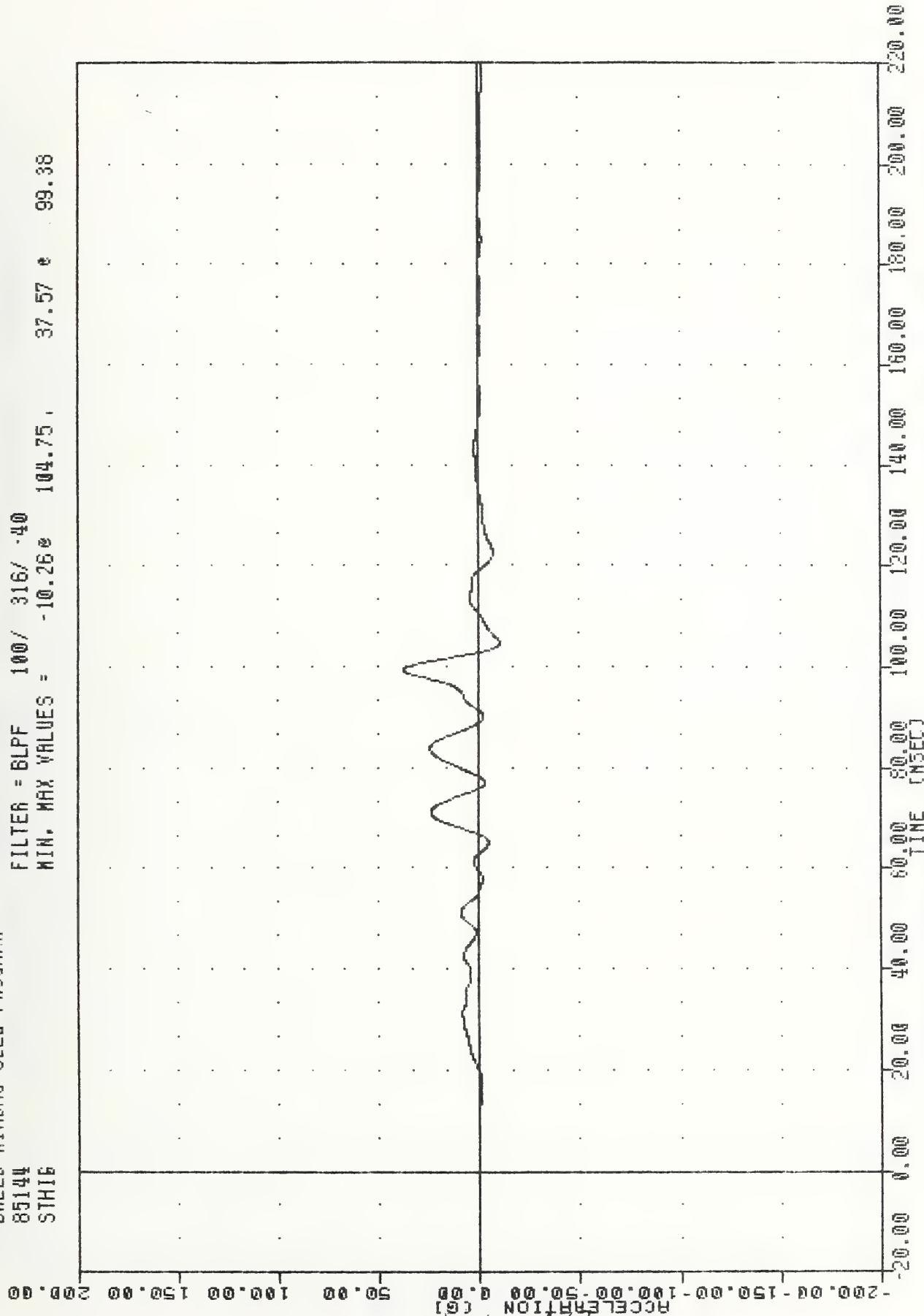
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

WATC , RD384-4-39
BRAED AIRBAG SLED PROGRAM
85144
STH16

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -10.26e 104.75 , 37.57 e 99.38



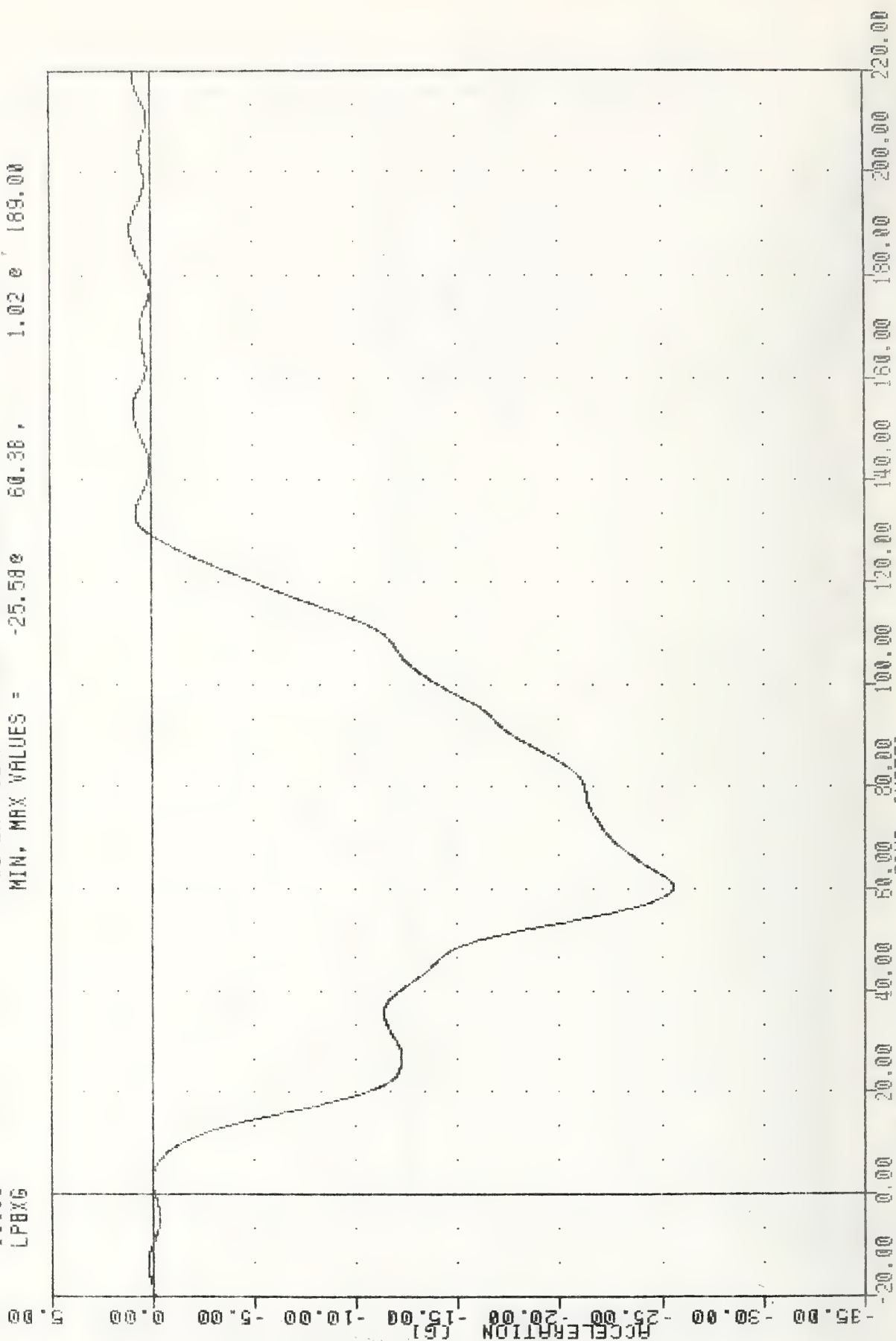
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

VRTC : R0384-4-39
BREED AIRBAG SLED PROGRAM
85144
LPBXG

PLOT DATE 28-MAR-85 13:12:24

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.580 60.38, 1.02 e' 189.00

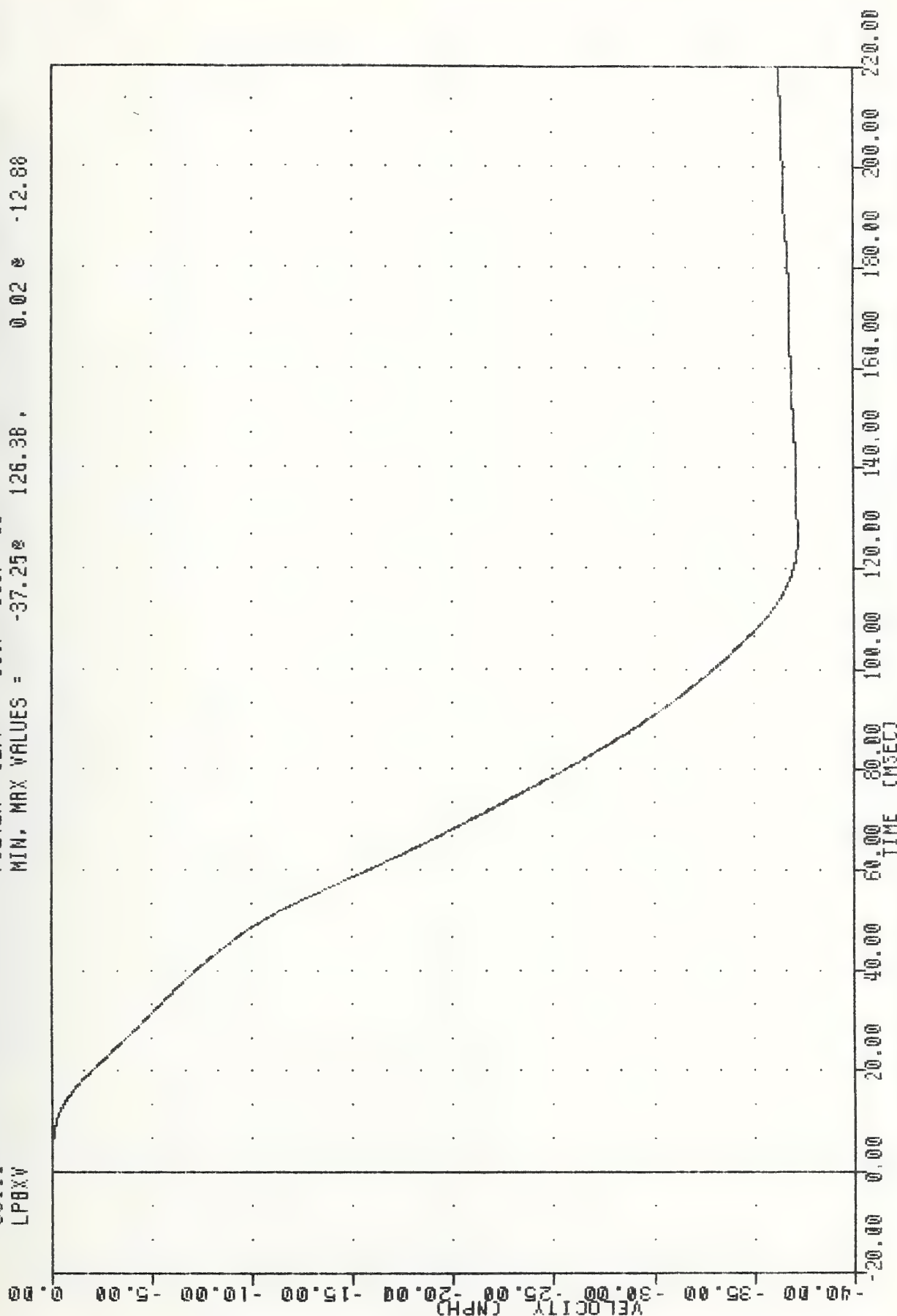


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
LPBXV

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -37.25% 126.38, 0.02 e -12.88



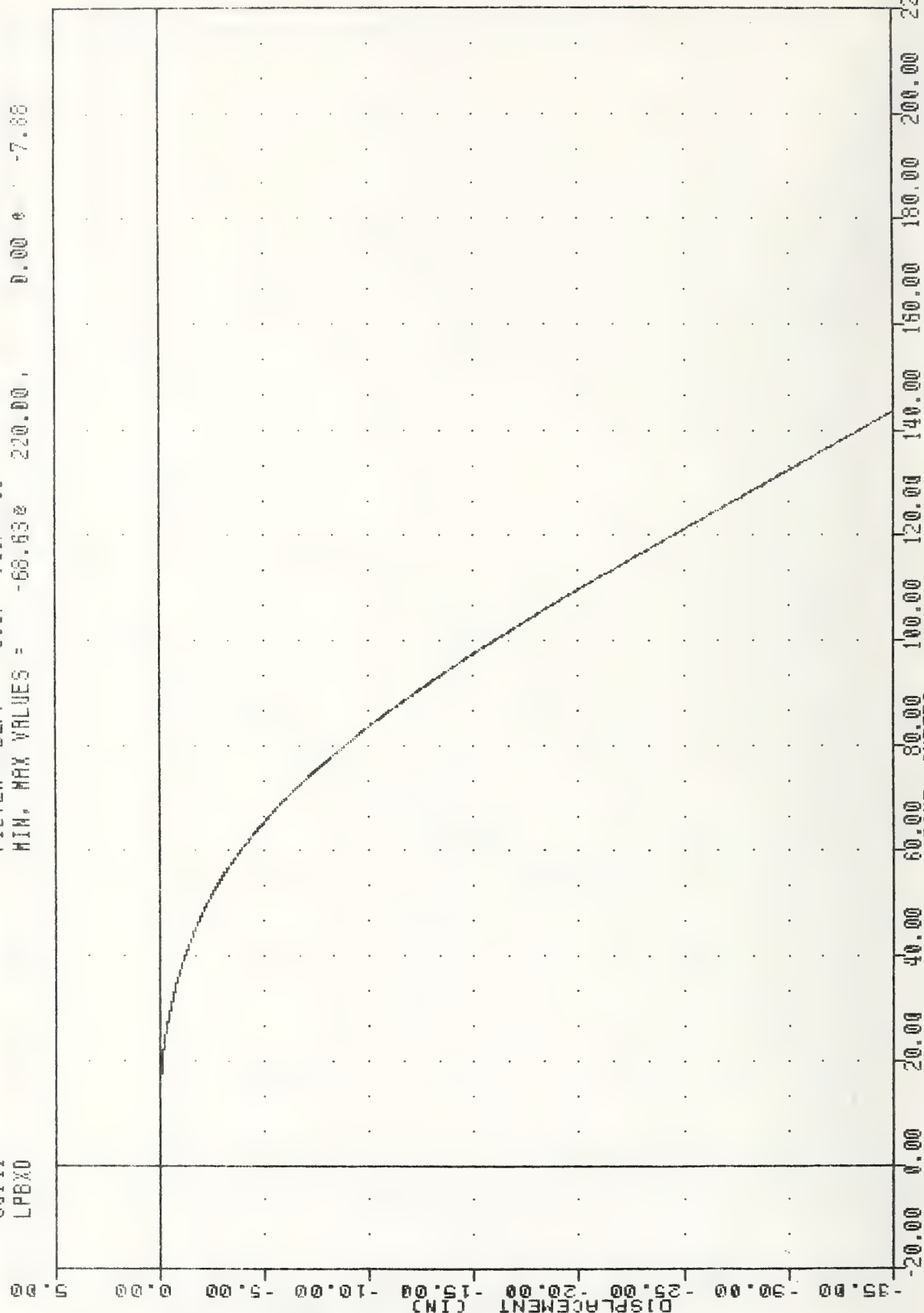
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBXG

VRIC , R0384-4-39
BREED AIRBAG SLED PROGRAM
85144
LPBXO

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -68.630 220.00, 0.00 0 -7.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING LPBXW

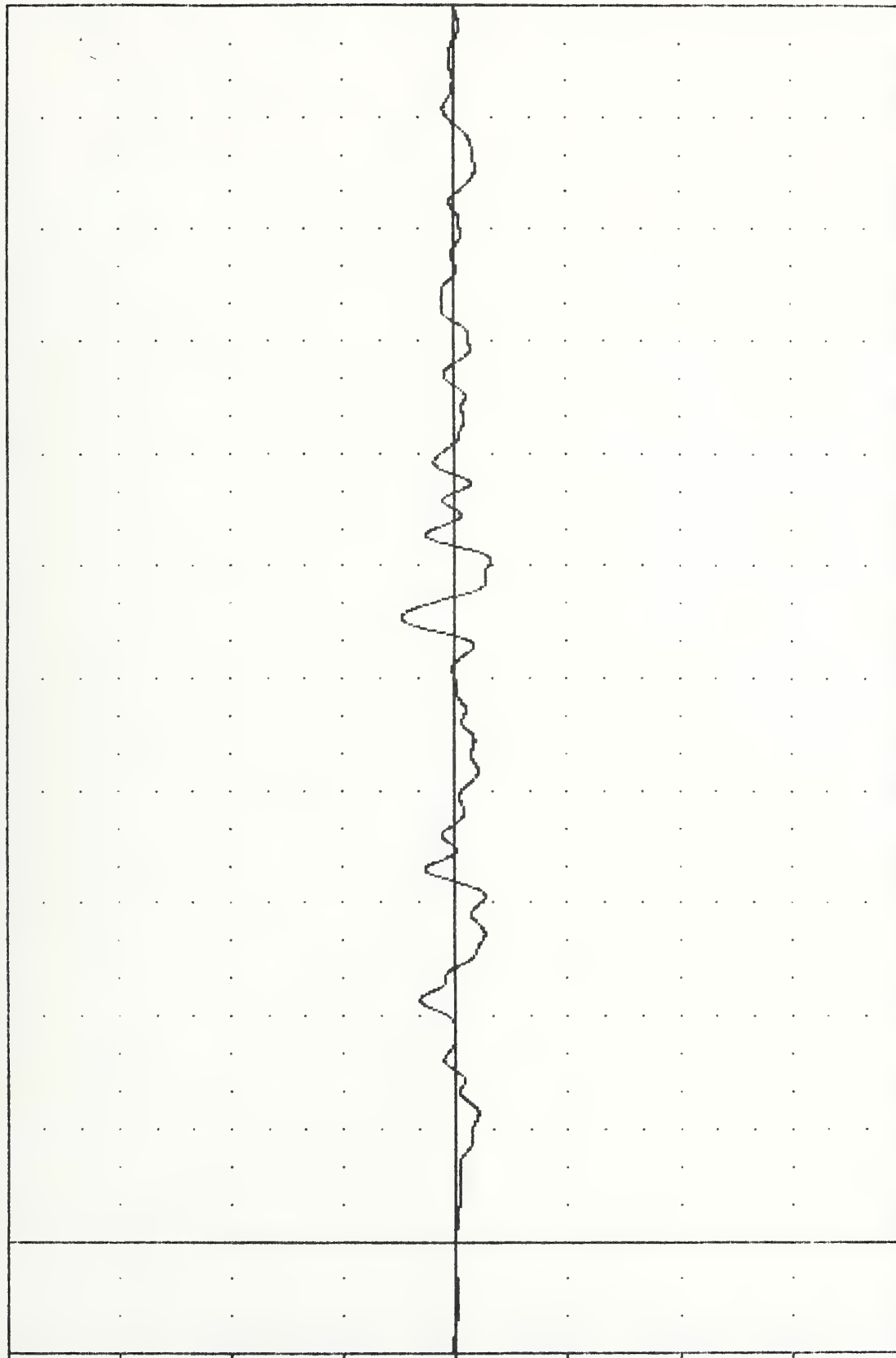
WATC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
LPBY6

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.59e 121.00, 2.38 * 110.63

ACCELERATION (G)



20.00 15.00 10.00 5.00 0.00 -5.00 -10.00 -15.00 -20.00

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

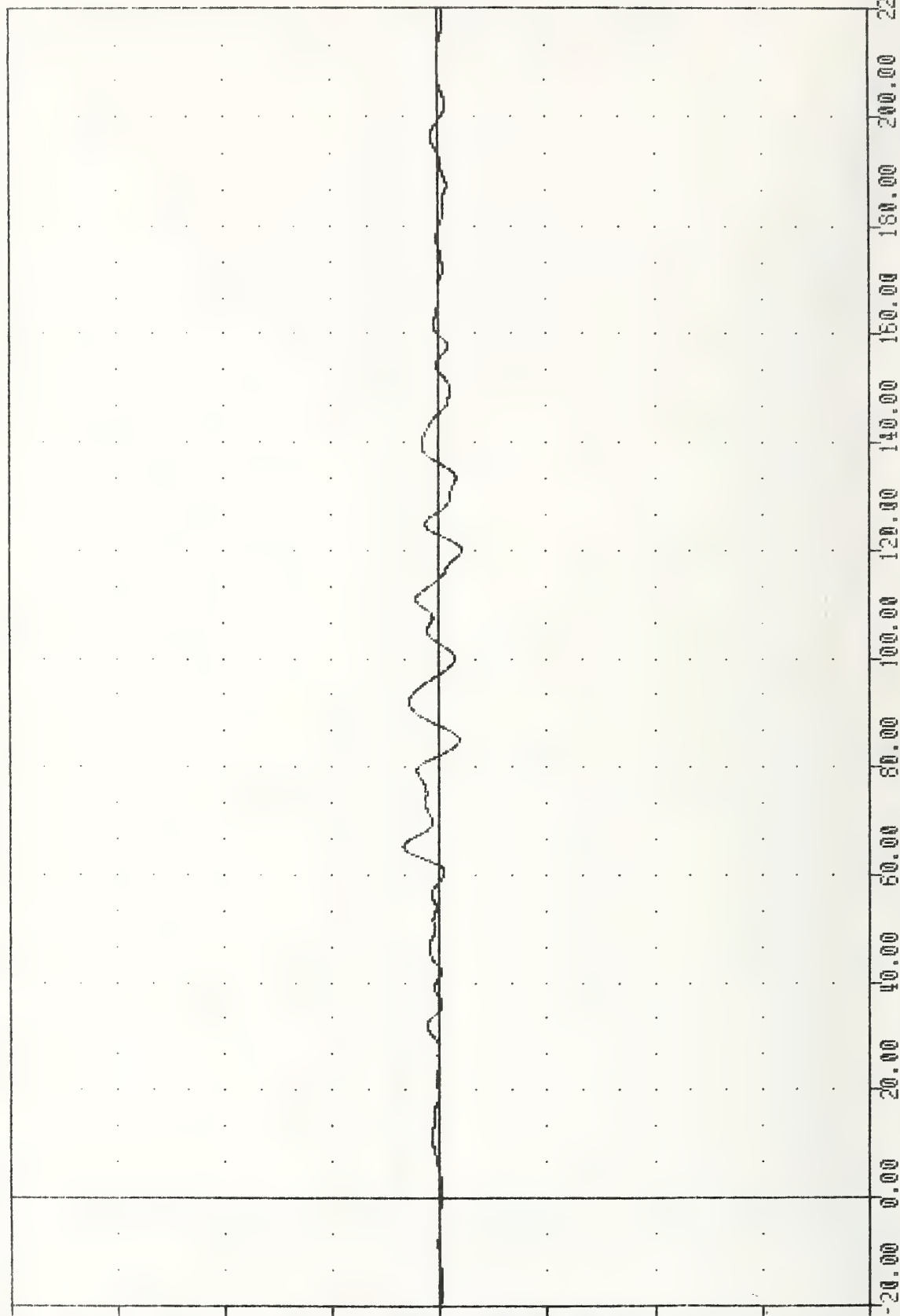
VRTC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
LPBZG

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.03E 120.00, 1.66E 65.25

ACCELERATION (G)



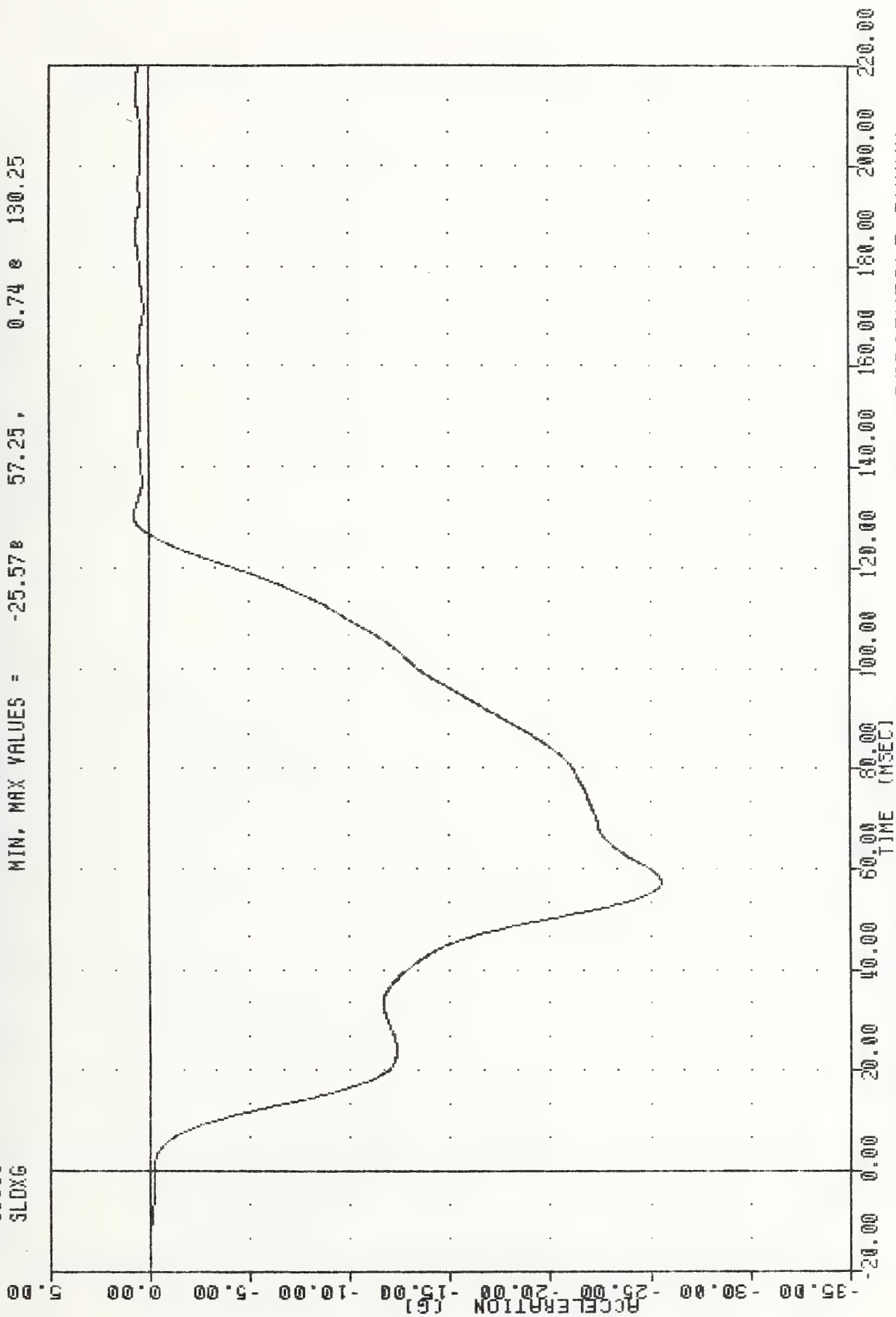
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85144
SLOXG

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -25.578 57.25, 0.74 @ 130.25



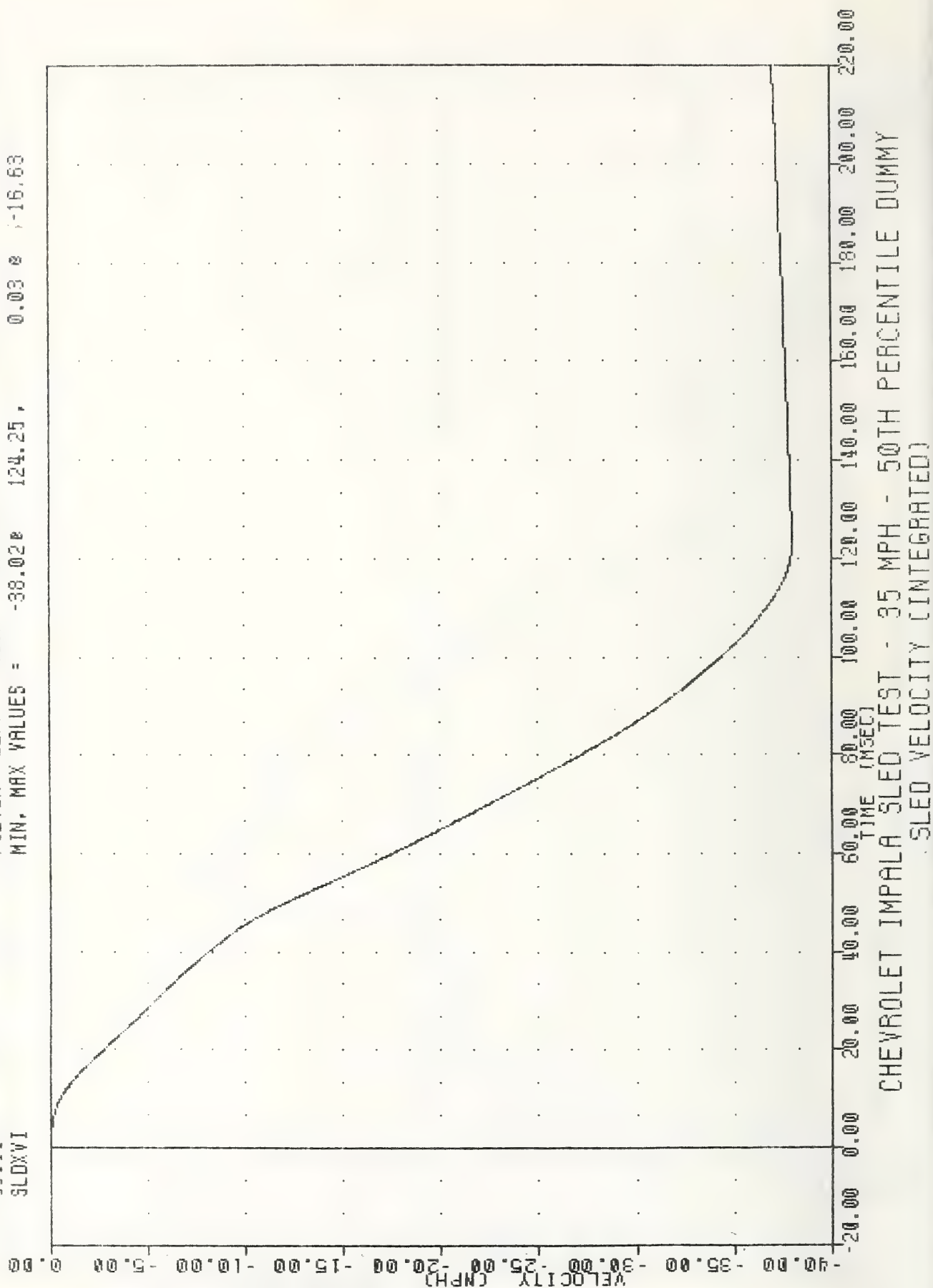
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VR7C
R0384-4-39
BREED AIRBAG SLED PROGRAM
85144
SLOXVI

PLOT DATE 28-MAY-85 13:15:49

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -38.02 124.25 0.03 16.63



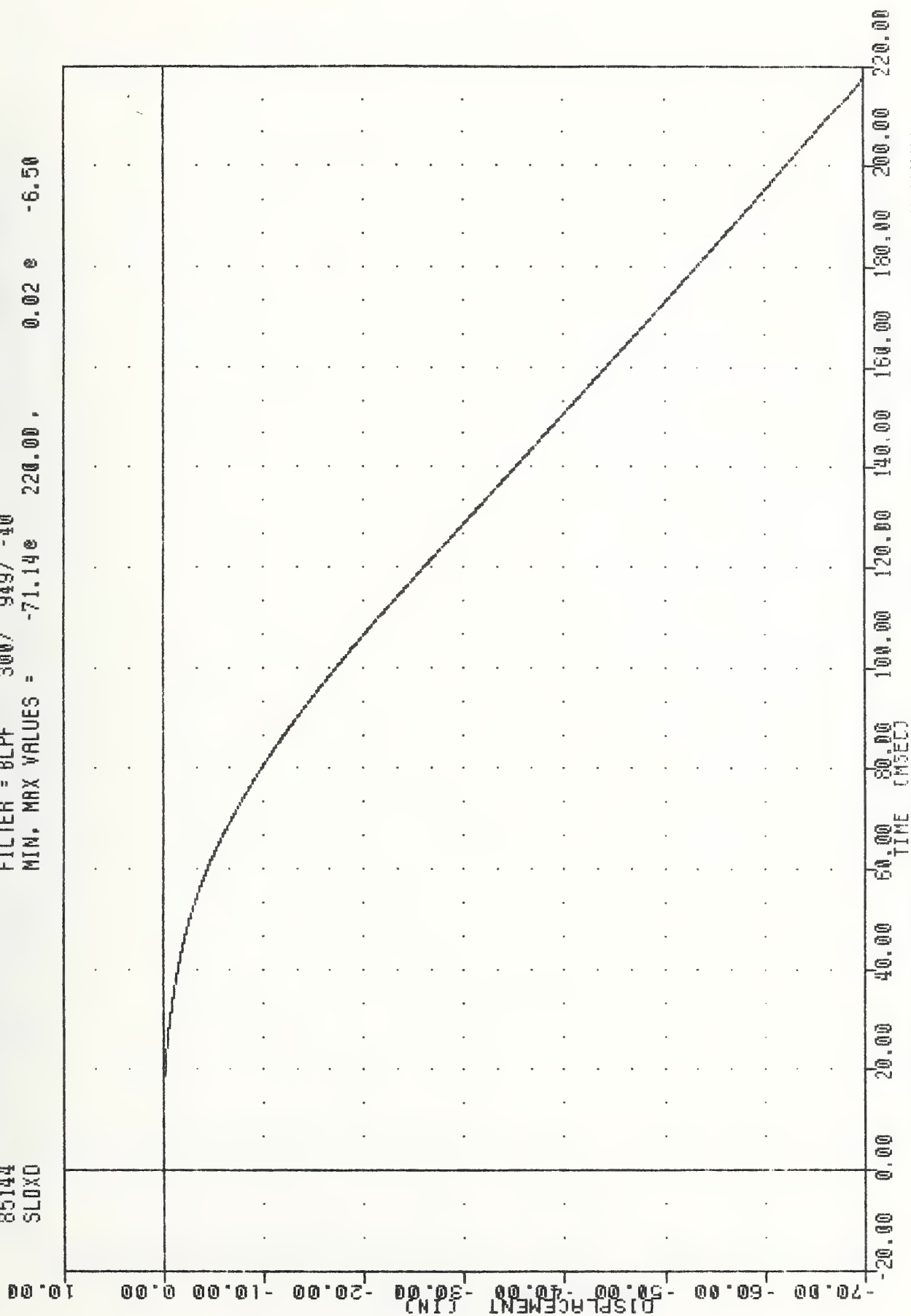
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

VRIC . RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
SLOXD

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -10

MIN. MAX VALUES = -71.14e 220.00, 0.02 e -6.50



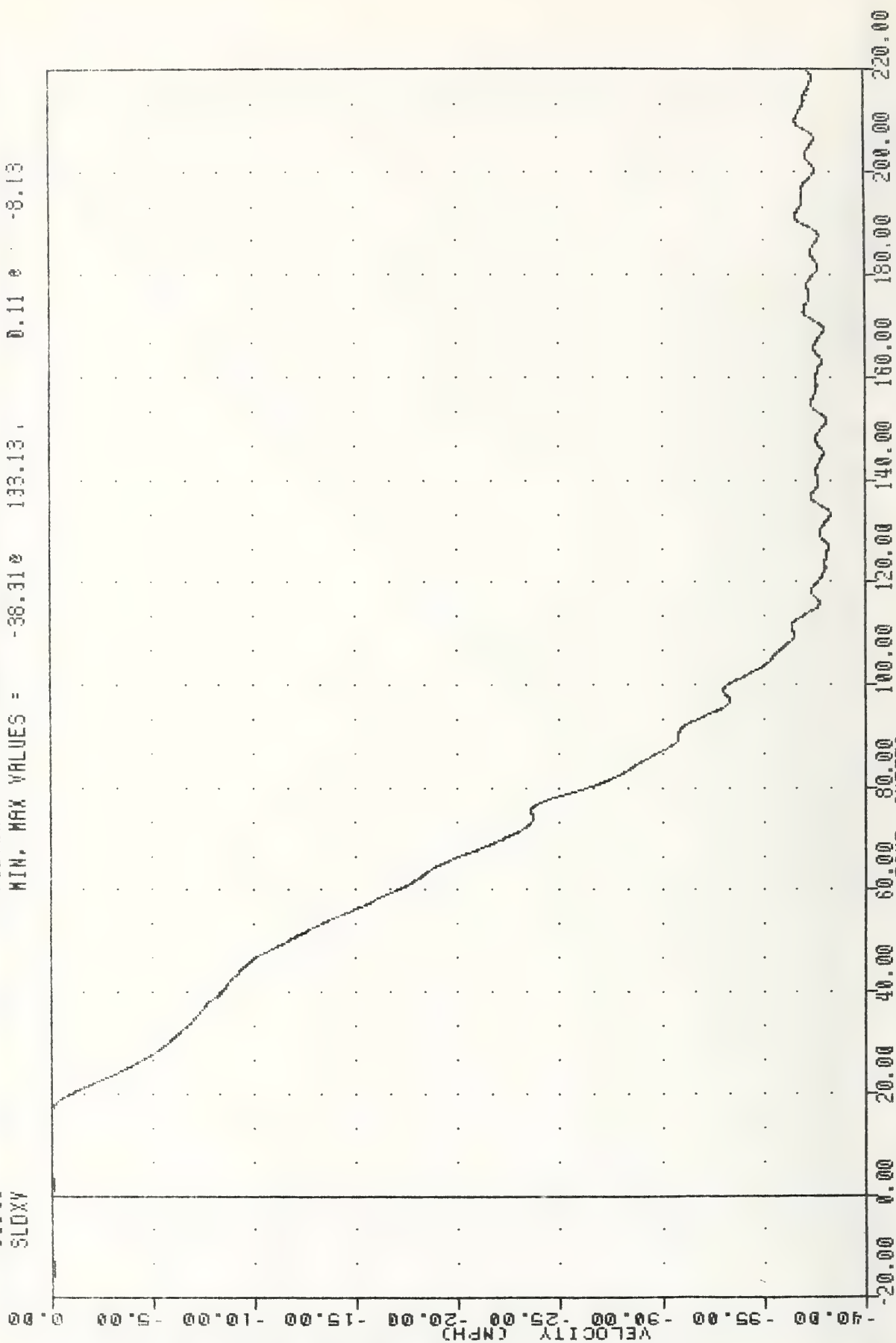
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING SLOXVI

VRATC , R0384-4-39
BREED AIRBAG SLED PROGRAM
85144
SLOXY

PLOT DATE 26-MAY-85 13:12:24

FILTER = ALPF 100/ 316/ -40

MIN, MAX VALUES = -38.310 133.13, 0.110 -8.13



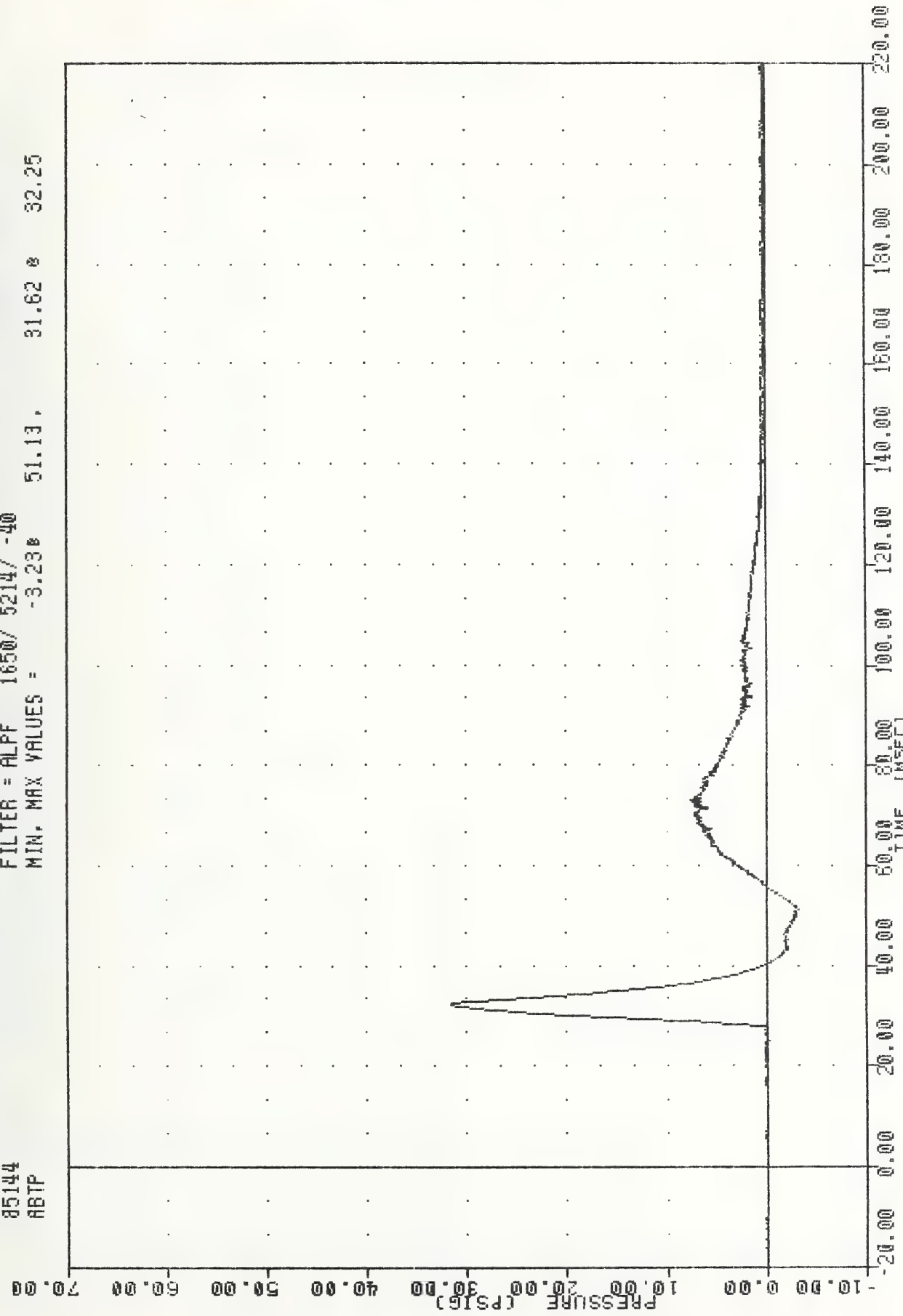
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRTC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
ABTP

PLOT DATE 28-MAY-85 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.230 51.13, 31.62 0 32.25



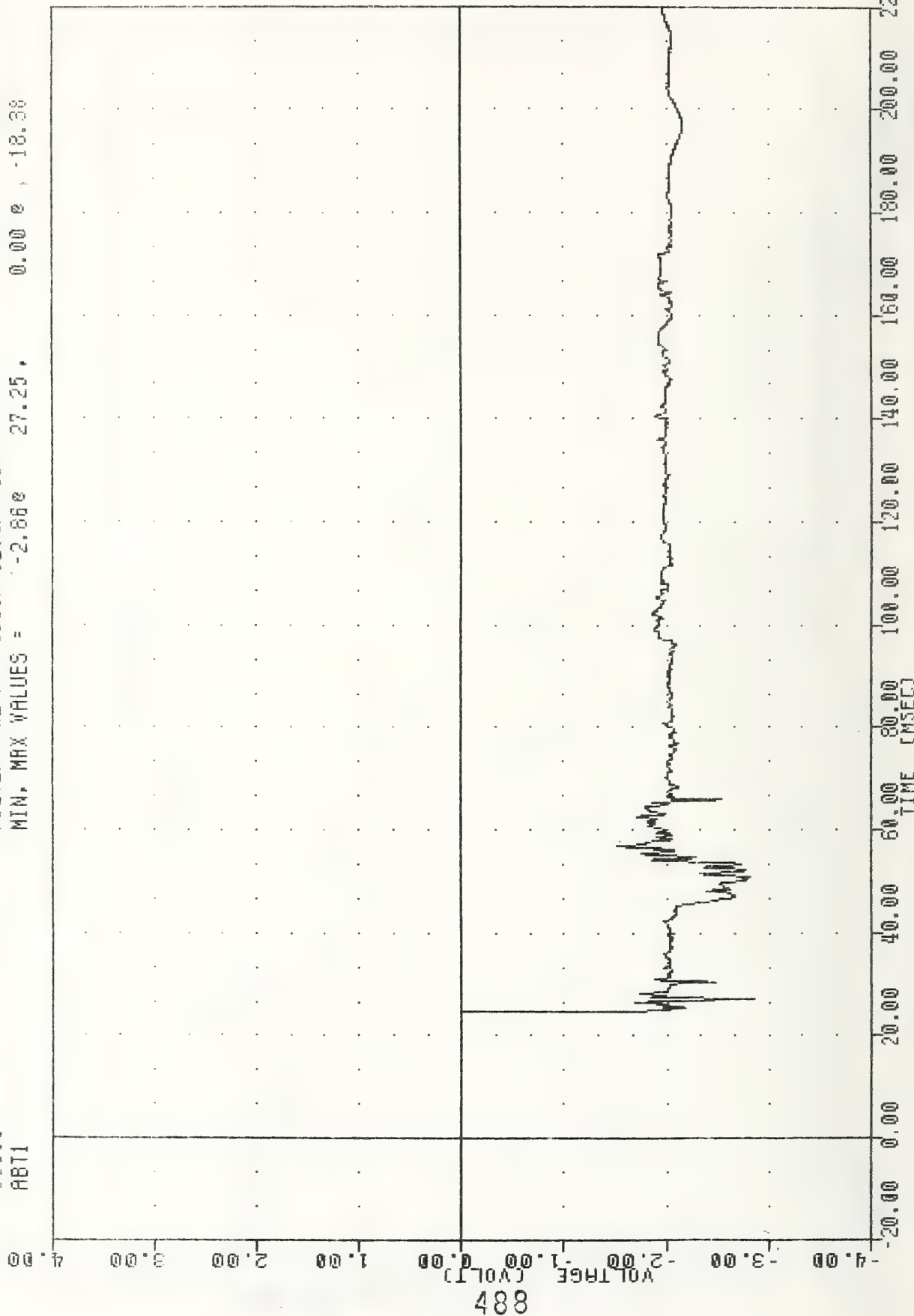
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
AIRBAG PRESSURE

VRIC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
ABT1

PLOT DATE 26 MAY 85 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.860 27.25 0.00 0.00 -18.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 1

VRTC RD384-4-39
BREC AIRBAG SLED PROGRAM
85144
ABT2

PLOT DATE 28-MAY-85 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -9.45e 28.50 0.00 e 2.25

VOLTAGE (VOLTS)

4.00

3.00

2.00

1.00

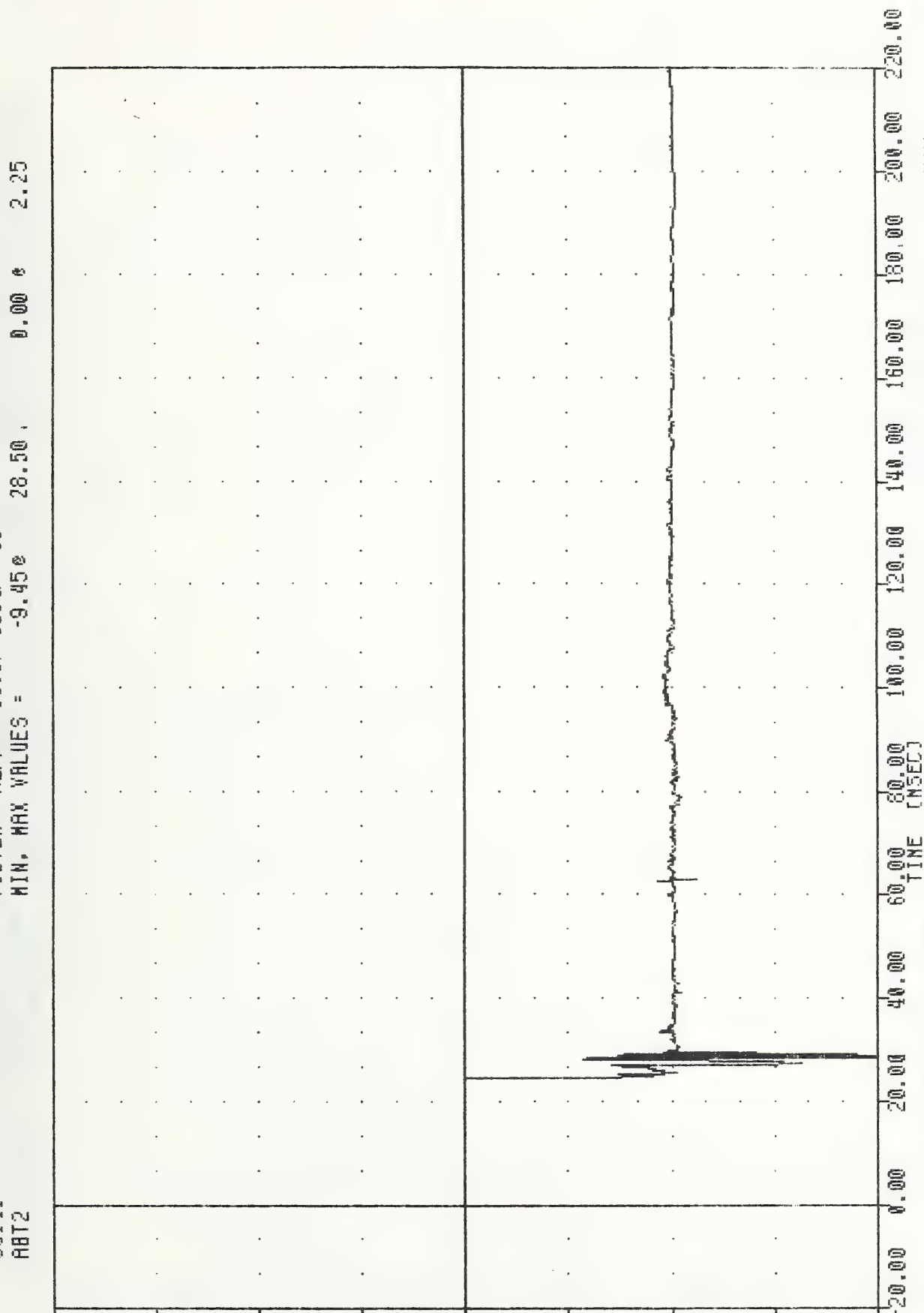
0.00

-1.00

-2.00

-3.00

-4.00



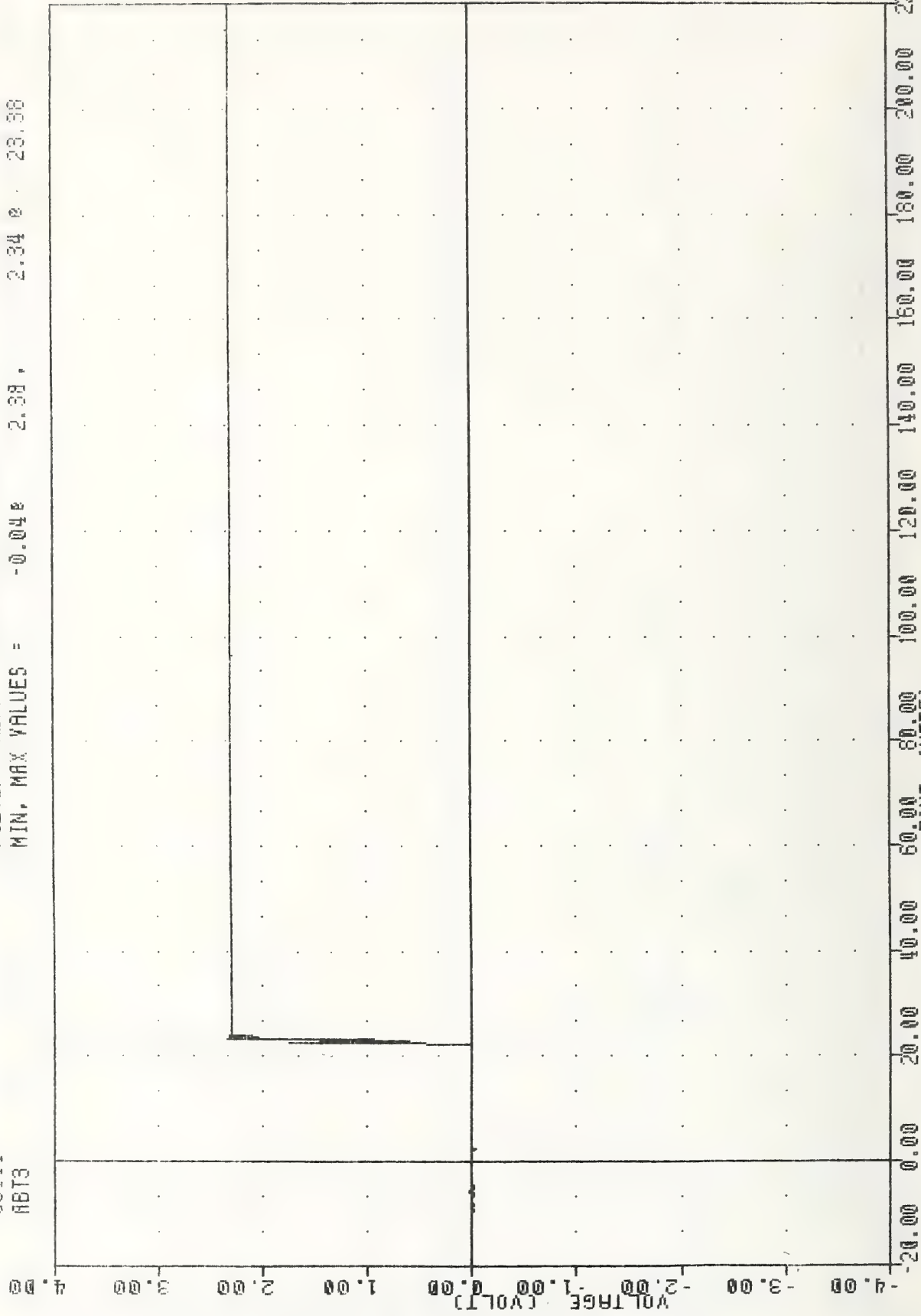
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 2

VRIC , R0364-4-89
 BREED AIRBAG SLED PROGRAM
 05144
 ABT3

PLOT DATE 20-MAY-85 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.048 2.38 2.34 0 23.38

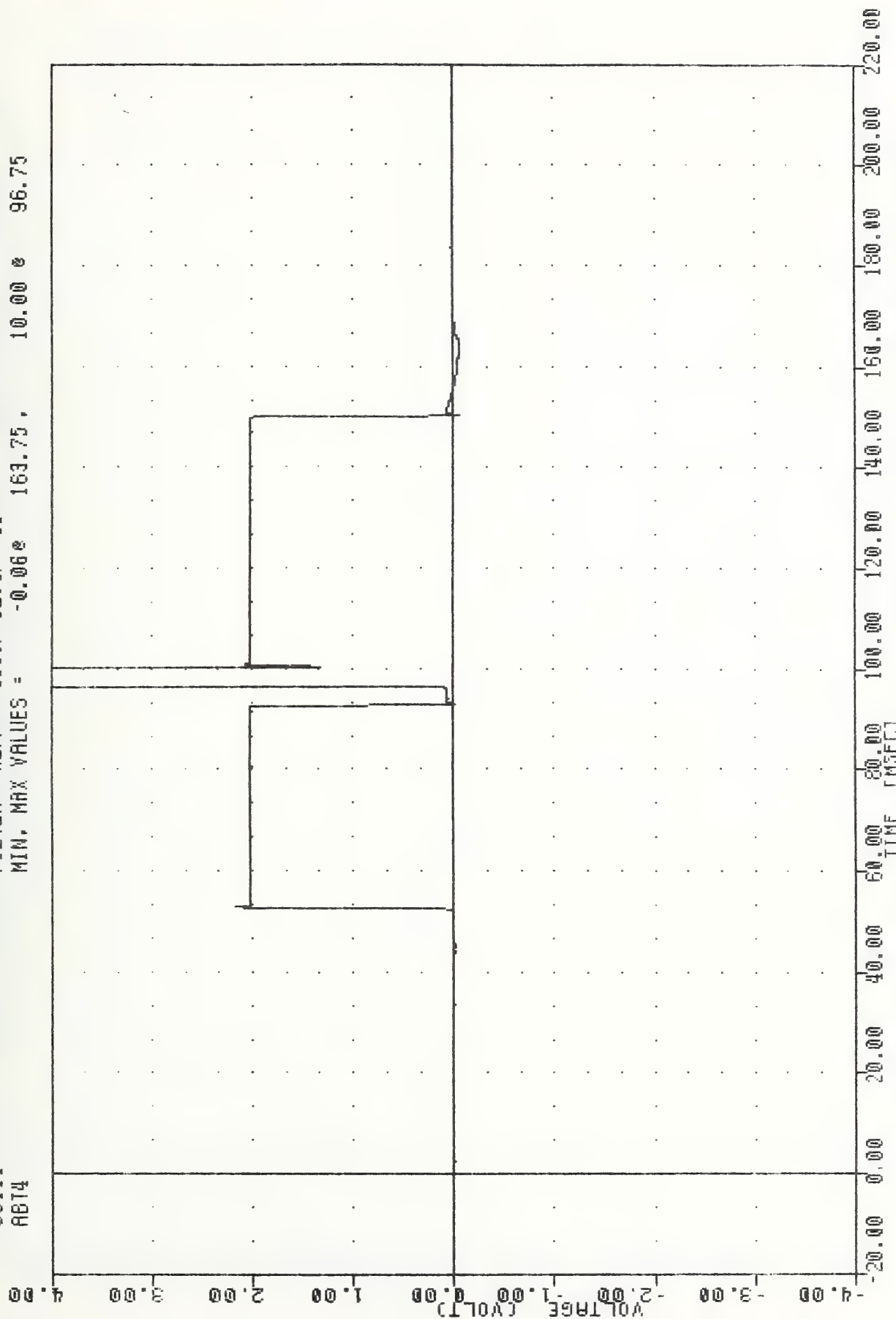


VRTC , RD384-4-39
BRAED AIRBAG SLED PROGRAM
85144
ABT4

PLOT DATE 26-MAY-85 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.06e 163.75, 10.00 e 96.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

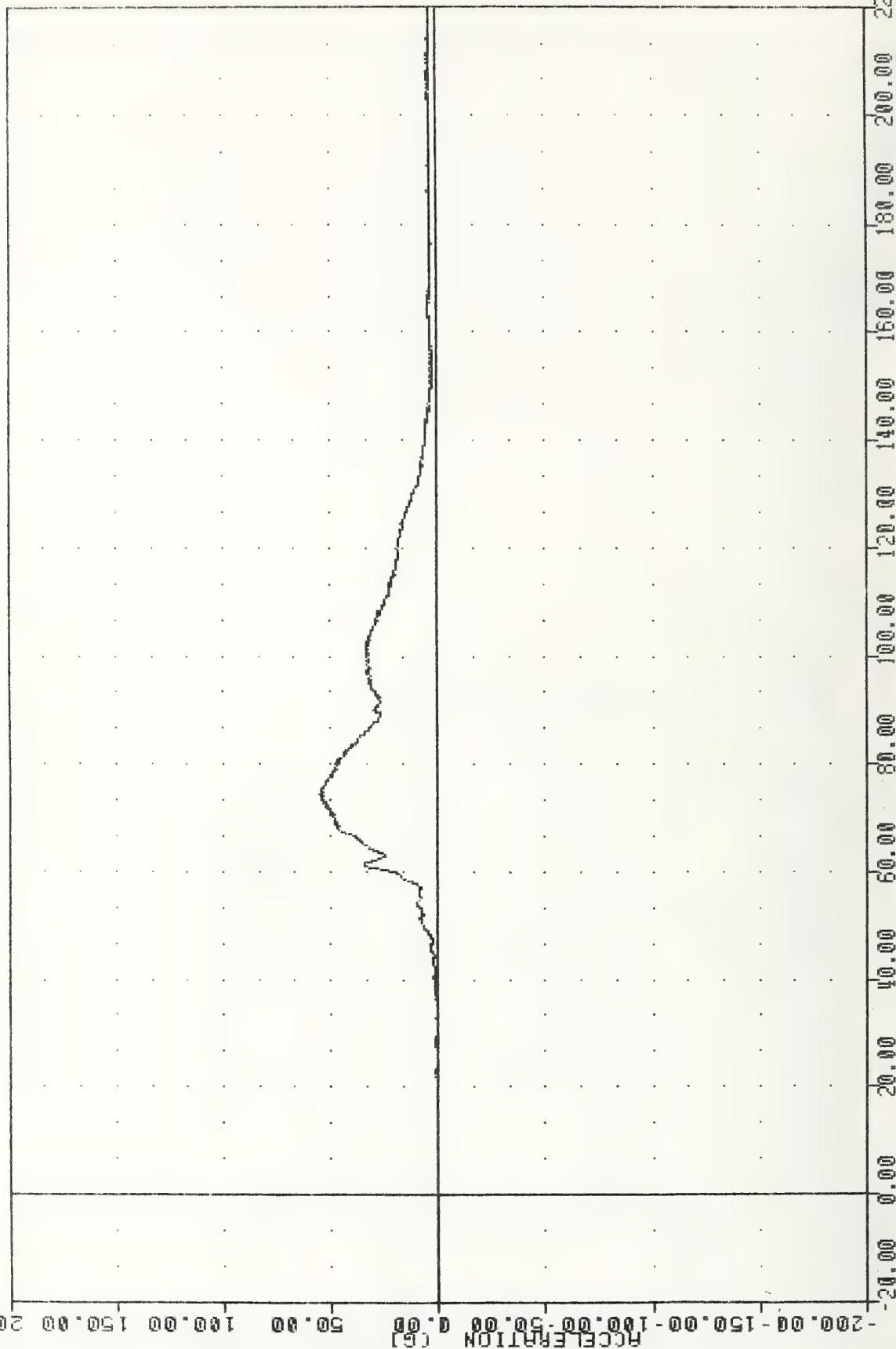
VRTC
BREED AIRBAG SLED PROGRAM
85144
HEADG1

PLOT DATE 28-MAY-85 13:25:28

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.060 -5.13, 54.88 0 74.50

ACCELERATION (G)



492

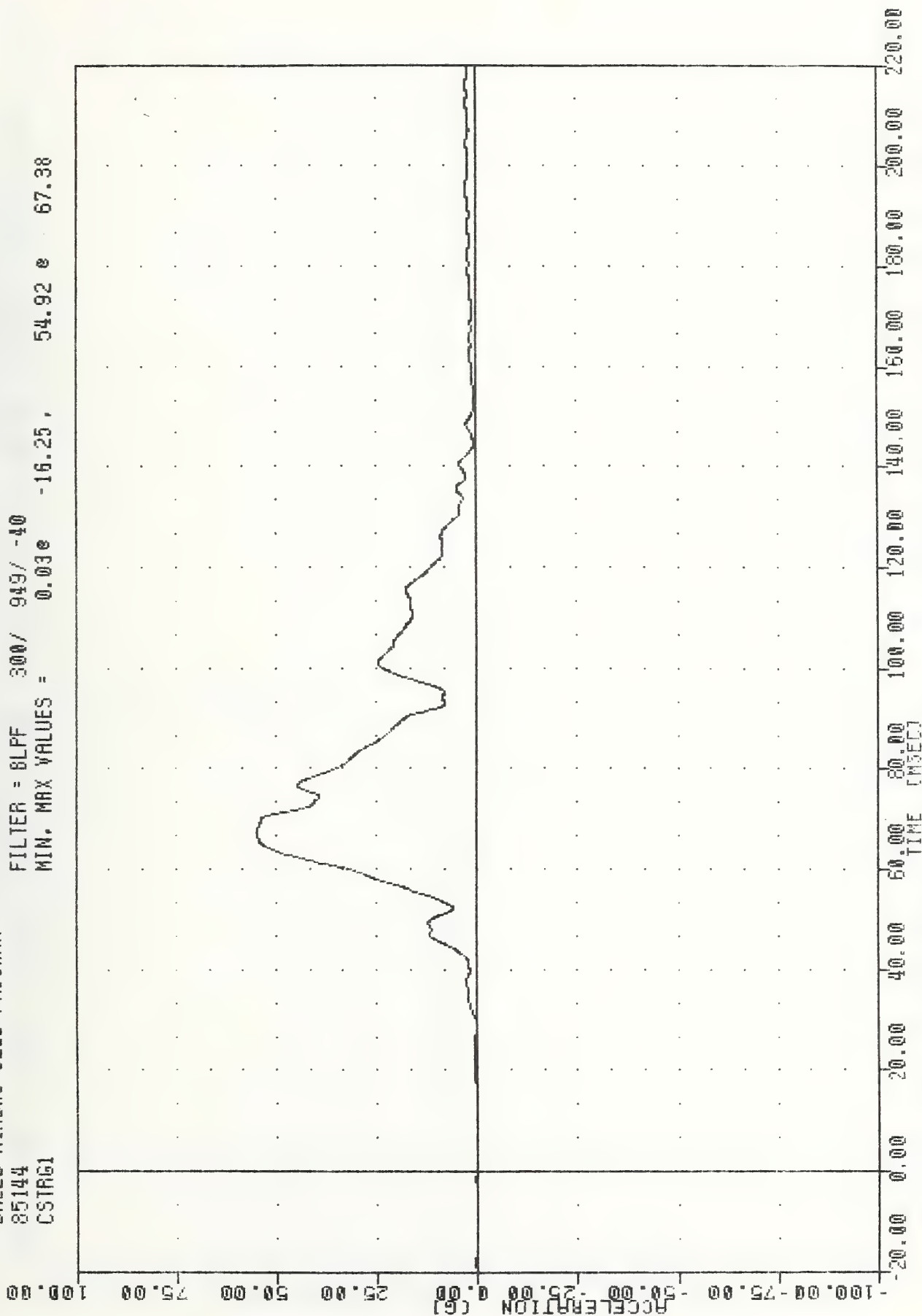
CHEVROLET IMPALA SLED TEST : 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRTC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
CSTRG1

PLOT DATE 28-MAY-85 13:25:26

FILTER = 8LPF 300/ 949/ -40

MIN. MAX VALUES = 0.03e -16.25, 54.92 e 67.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CREST RESULTANT

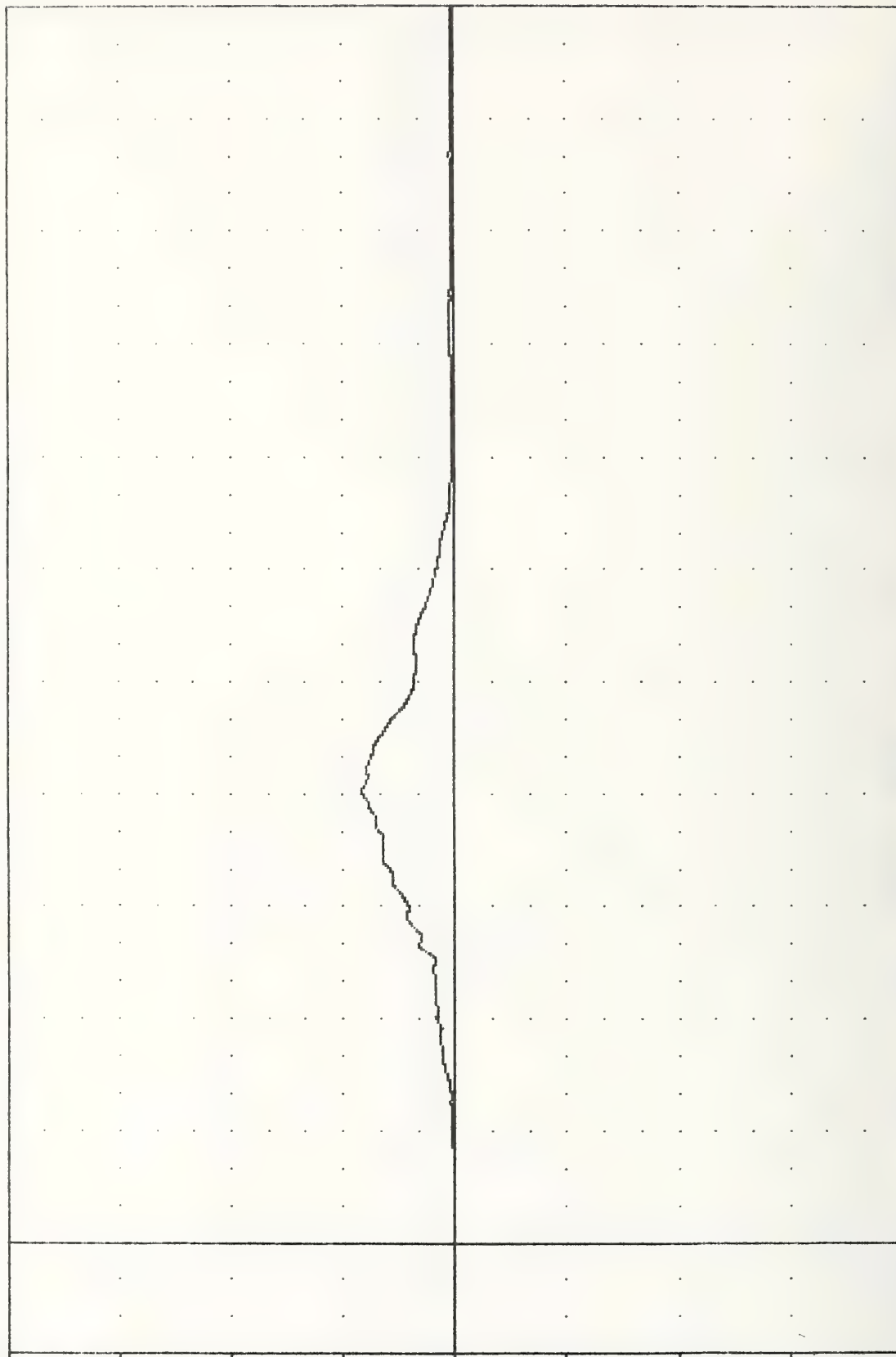
WATC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
PEVR61

PLOT DATE 28-MAY-85 13:25:28

ACCELERATION (G)

200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = 0.072 -8.88 , 41.37 s , 80.50



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

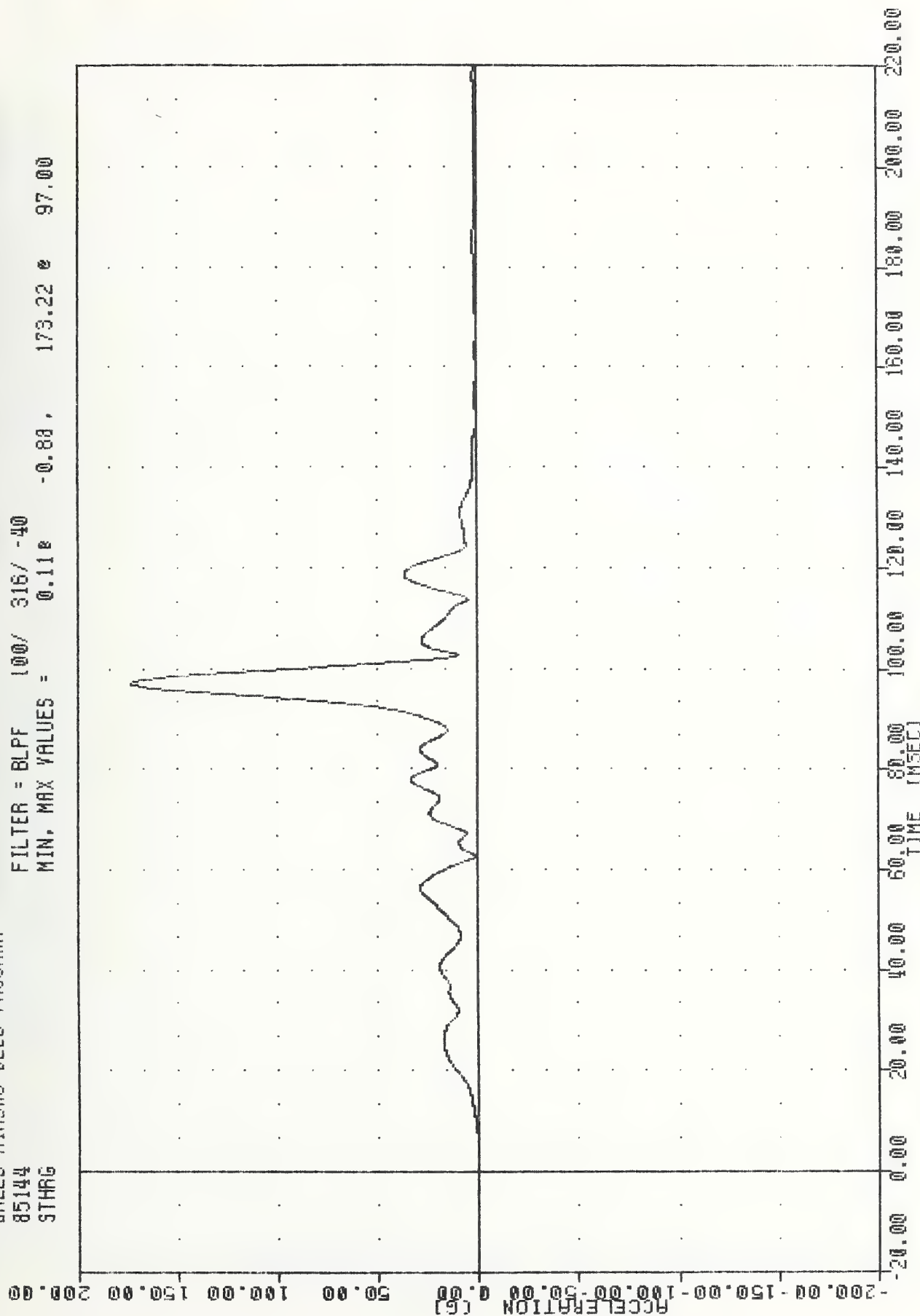
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

VRTC
BREED AIRBAG SLED PROGRAM
85144
STHRG

PLOT DATE 28-MAY-85 13:25:28

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.11e -0.88, 173.22 e 97.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

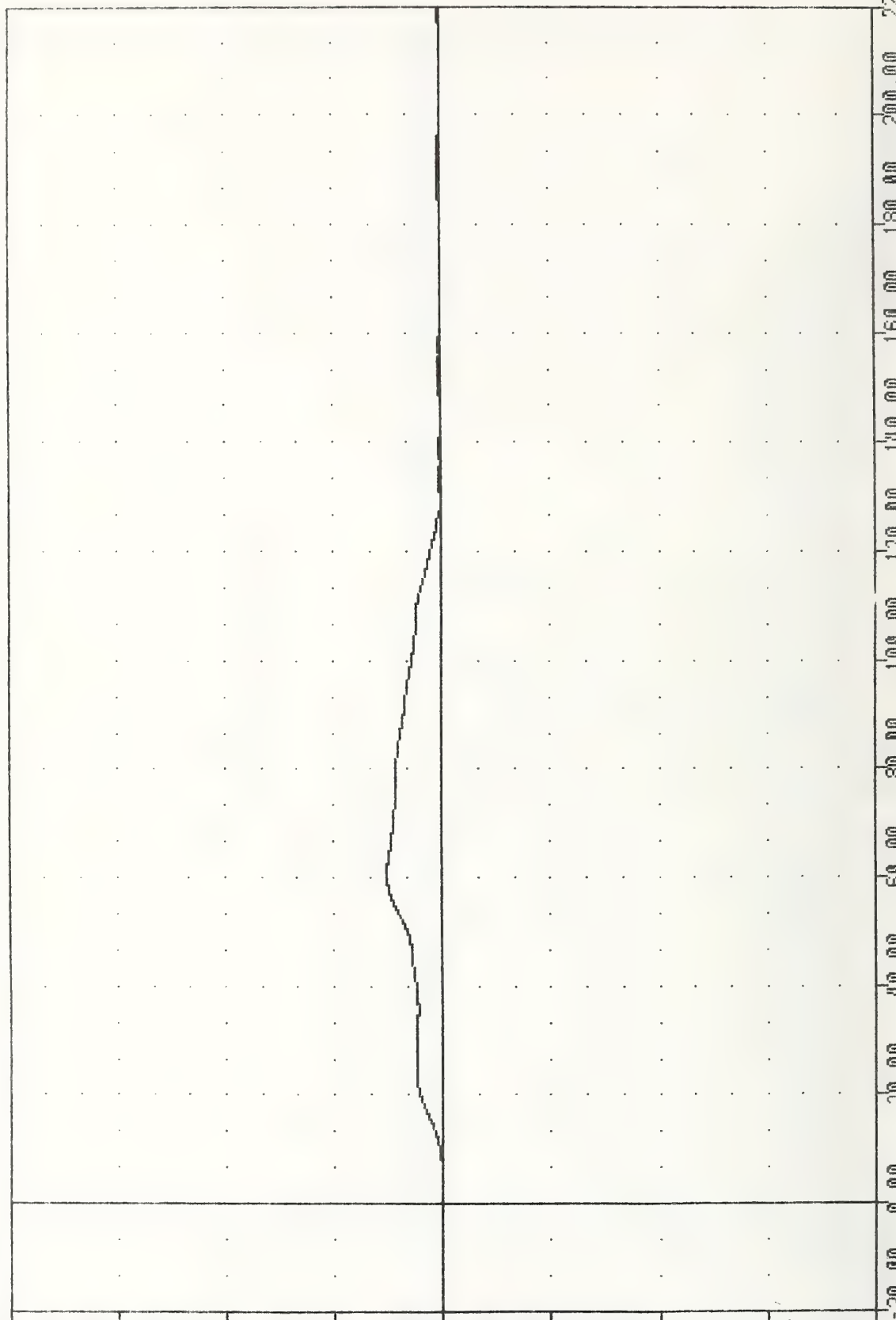
VRIC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
LPBRG

PLOT DATE 28-MAY-85 13:25:28

FILTER = 8LPP 100/ 316/ -40

MIN. MAX VALUES = 0.098 176.63, 25.61 2, 60.38

ACCELERATION (G)



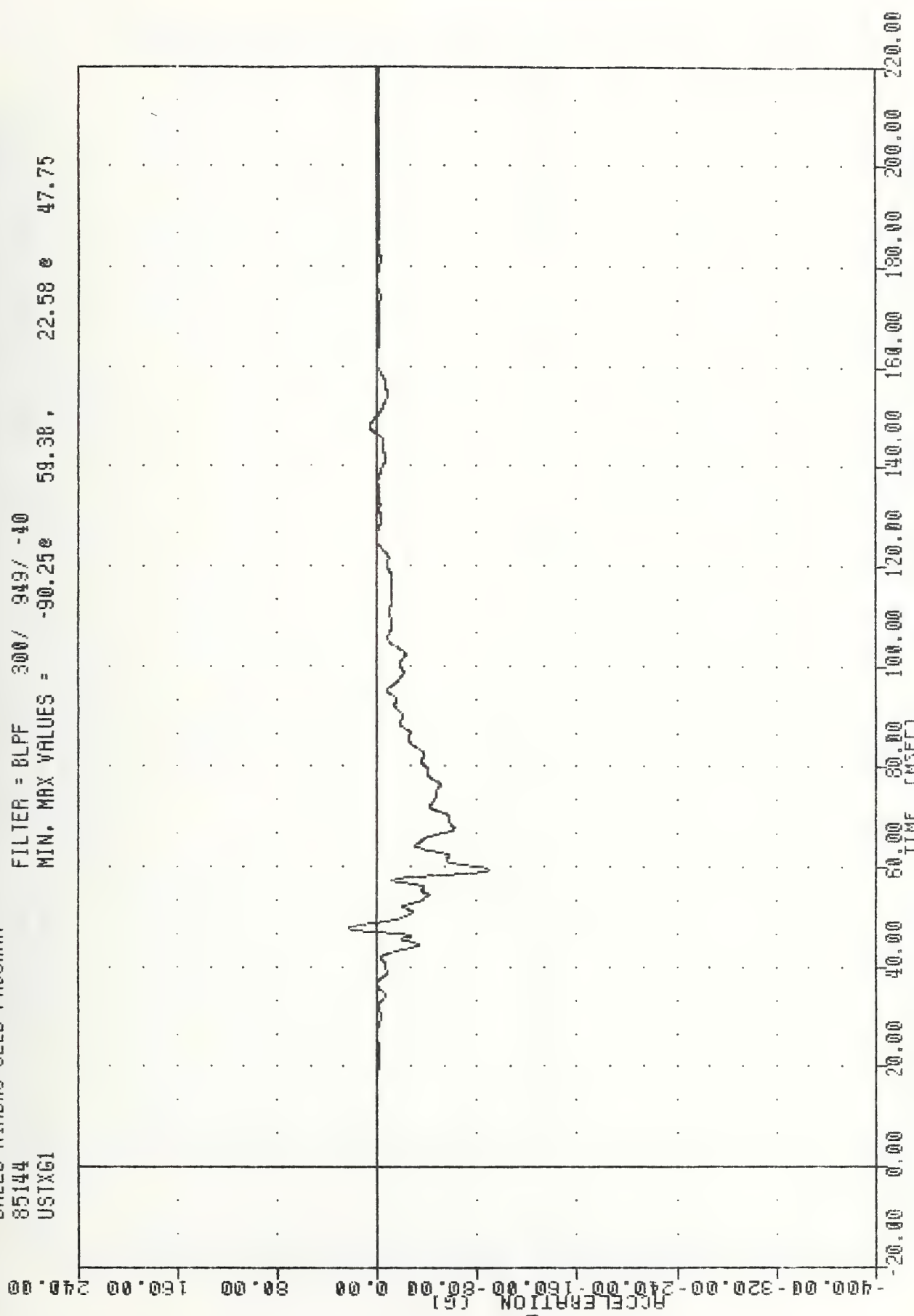
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VRIC , R0384-4-39
BREED AIRBAG SLED PROGRAM
85144
USTXG1

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -90.25e 59.38 , 22.58 e 47.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

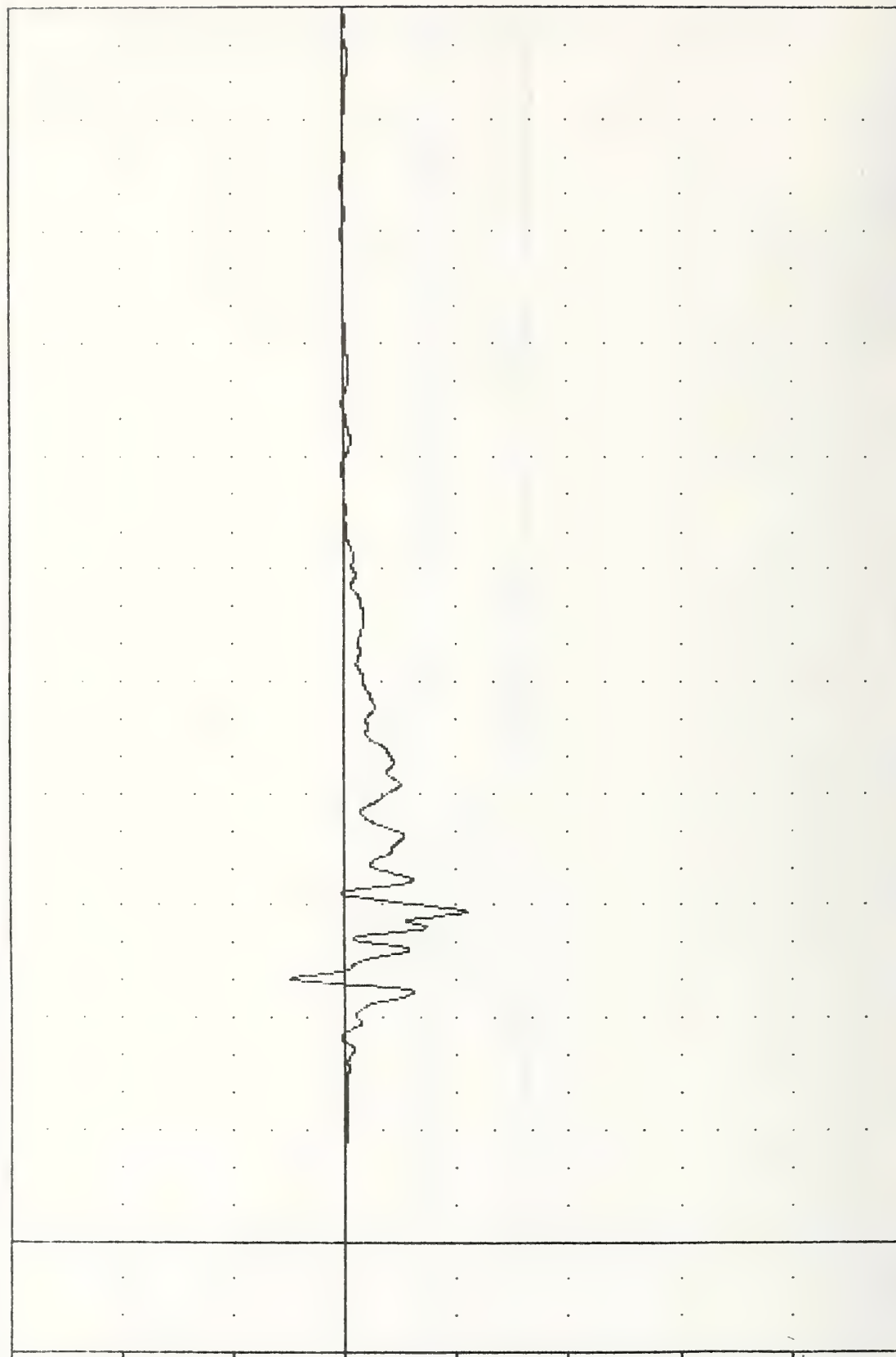
VRTC , RD384-4-39
 BREED AIRBAG SLED PROGRAM
 85144
 LSTX61

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -87.49 58.88 38.46 46.88

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER LOWER STERNUM ACCELERATION X AXIS

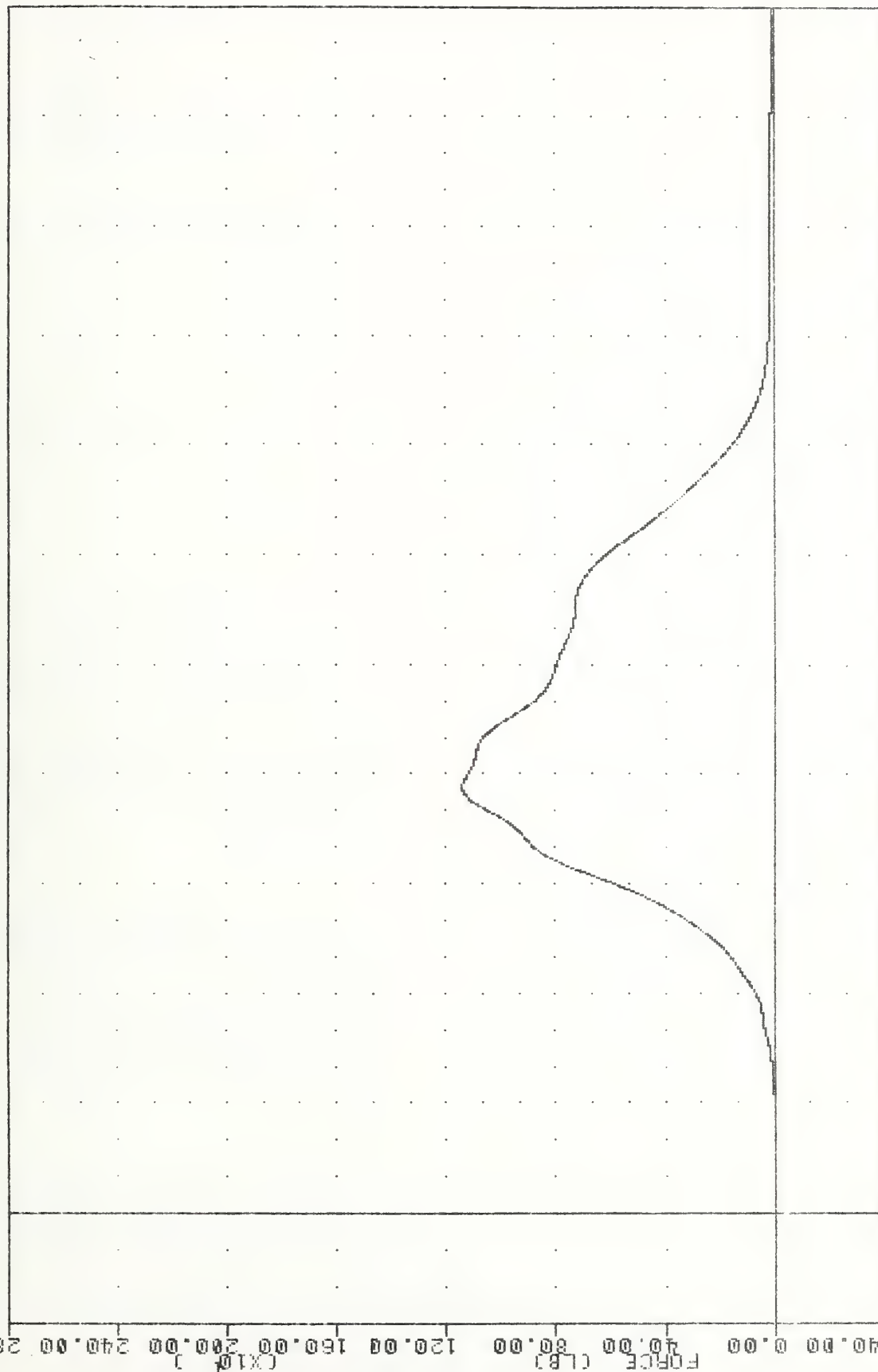
VRTC
BREC HIRABG SLED PROGRAM
85144
SHBF1

PLOT DATE 28-MAY-85 13:12:24

FILTER = 6LPF 100/ 316/ -40

MIN. MAX VALUES = -0.80e 1.38, 1140.15 e 77.50

FORCE (LB) $\times 10^3$

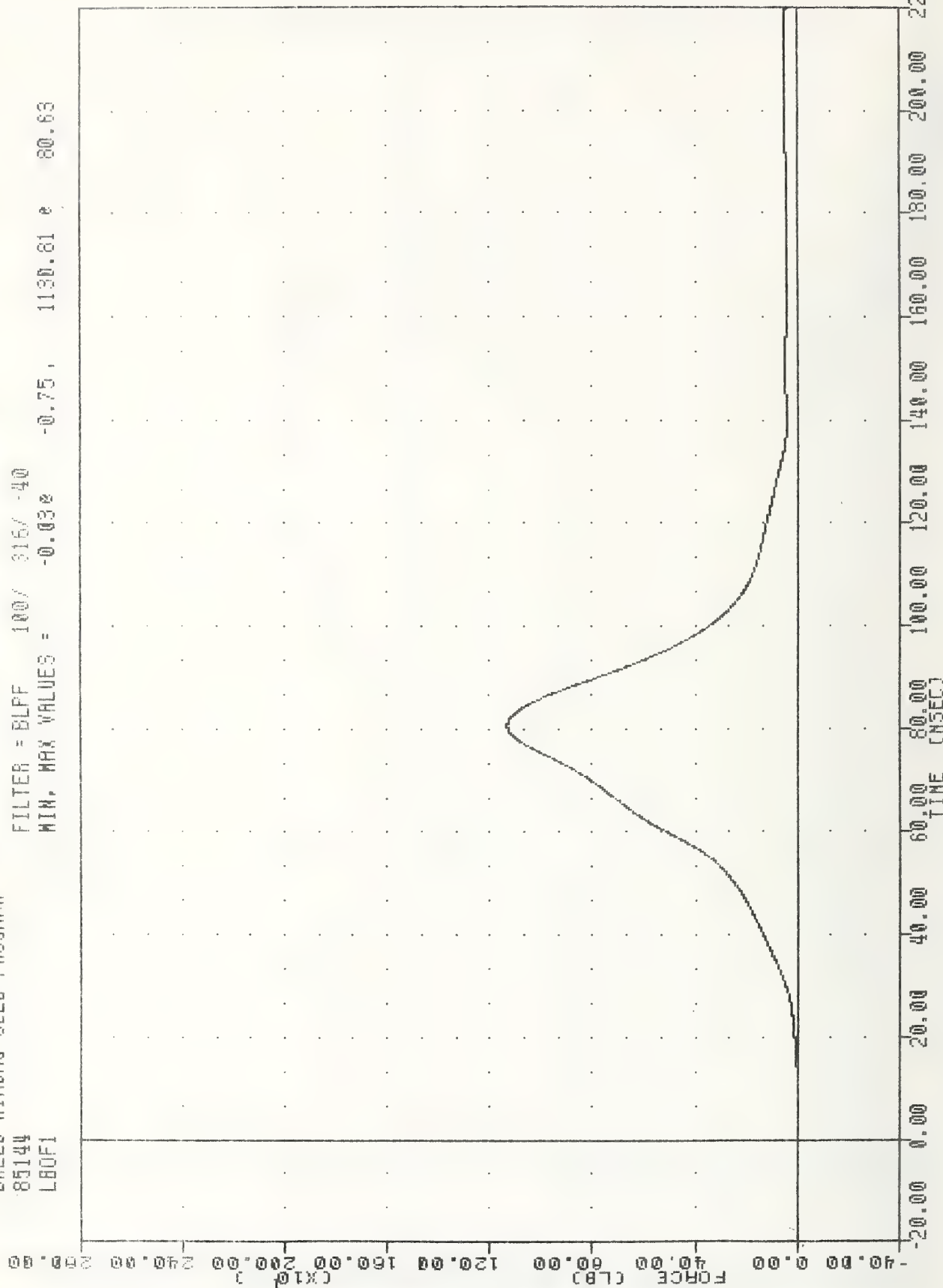


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER SHOULDER BELT FORCE LBS

VRTC
 BREED AIRBAG SLED PROGRAM
 85144
 LB0F1

PLST DATE 28-MAY-85 13:12:24

FILTER = BLPF 100/ 315/ -40
 MIN. MAX VALUES = -0.032 -0.75, 1130.81 80.63



500

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER LAP BELT FORCE LBS

TRC447P. RAD: 1
VRTC
B514B RD384-4-40 BREED AIRBAG SLED PROGRAM 28-MAY-85 15:15
35.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	0.046 @	1.606 @	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-37.966 @	0.119 @	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.784 @	0.806 @	g	BLPF 100/ 316/ -40
4	HEDXG1	-160.463 @	7.499 @	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-20.471 @	8.677 @	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-40.681 @	70.834 @	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-50.782 @	6.026 @	g	BLPF 300/ 949/ -40
8	CSTYG1	-9.317 @	23.033 @	g	BLPF 300/ 949/ -40
9	CSTZG1	-9.869 @	5.603 @	g	BLPF 300/ 949/ -40
10	PEVXG1	-38.837 @	170.875 @	g	BLPF 300/ 949/ -40
11	PEVYG1	-2.576 @	14.900 @	g	BLPF 300/ 949/ -40
12	PEVZG1	-42.156 @	1.531 @	g	BLPF 300/ 949/ -40
13	LFMF1	-394.431 @	428.989 @	lb	BLPF 1000/ 3162/ -40
14	RFMF1	-325.255 @	573.205 @	lb	BLPF 100/ 316/ -40
15	LPBXG	-25.759 @	89.875 @	g	BLPF 100/ 316/ -40
16	LPBYG	-1.707 @	1.342 @	g	BLPF 100/ 316/ -40
17	LPBZG	-1.222 @	2.587 @	g	BLPF 100/ 316/ -40
18	SHBF1	-0.446 @	2245.388 @	lb	BLPF 100/ 316/ -40
19	LBDF1	-0.247 @	2268.813 @	lb	BLPF 100/ 316/ -40
20	ABT3	-0.067 @	2.330 @	volt	ALPF 1650/ 5214/ -40
21	ABT4	-4.332 @	6.066 @	volt	ALPF 1650/ 5214/ -40

TRC447P. RAD: 1
VRTC
B514B RD384-4-40 BREED AIRBAG SLED PROGRAM 28-MAY-85 15:15
35.00 mph

		Min value	Max value	Data Units	Filter
1	HEDXV1	-51.622 @	0.432 @	mph	BLPF 300/ 949/ -40
2	HEDXD1	-66.430 @	0.105 @	in	BLPF 300/ 949/ -40
3	CSTXV1	-49.553 @	0.265 @	mph	BLPF 300/ 949/ -40
4	CSTXD1	-72.620 @	0.298 @	in	BLPF 300/ 949/ -40
5	PEXV1	-31.658 @	-0.012 @	mph	BLPF 300/ 949/ -40
6	PEVXD1	-52.400 @	-0.002 @	in	BLPF 300/ 949/ -40
7	SLDXV1	-37.756 @	-0.014 @	mph	BLPF 300/ 949/ -40
8	SLDXD	-70.920 @	-0.008 @	in	BLPF 300/ 949/ -40
9	LPBXV	-36.911 @	0.026 @	mph	BLPF 300/ 949/ -40
10	LPBXD	-68.116 @	0.003 @	in	BLPF 300/ 949/ -40

TRC447P. RAD: 1
VRTC
B514B RD384-4-40 BREED AIRBAG SLED PROGRAM 28-MAY-85 15:15
35.00 mph

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.041 @	164.992 @	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.040 @	50.918 @	g	BLPF 300/ 949/ -40
3	PEVRG1	0.088 @	57.743 @	g	BLPF 300/ 949/ -40
4	LPBRG	0.103 @	25.763 @	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC447RP.RAD;1
VRTC RD384-4-40 BREED AIRBAG SLED PROGRAM
85148 35.00 mph

* * * HIC computation for HEDRG1

28-MAY-85 15:14

Using time range = 0.000 to 220.000 msec Peak accel = 164.99 @ 94.625

HIC = 1589.92 Interval from 89.500 [877] to 119.375 [1116]

HIC = 1066.97 Interval from 101.250 [971] to 116.250 [1091]

R SYSF:THREEMS

*** Three ms clip program for chest resultant channel ***

THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC447RP

File TRC447RP -> 4 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-40 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC447RP.RAD;1 VRTC RD384-4-40
BREED AIRBAG SLED PROGRAM 35.0 mph 85148 28-MAY-85 15:53:50
Deltax: 0.125

3 MS CLIP PEAK: 49.69763

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak

Enter channel name -> ^Z

Enter input filespec -> ^Z

\$

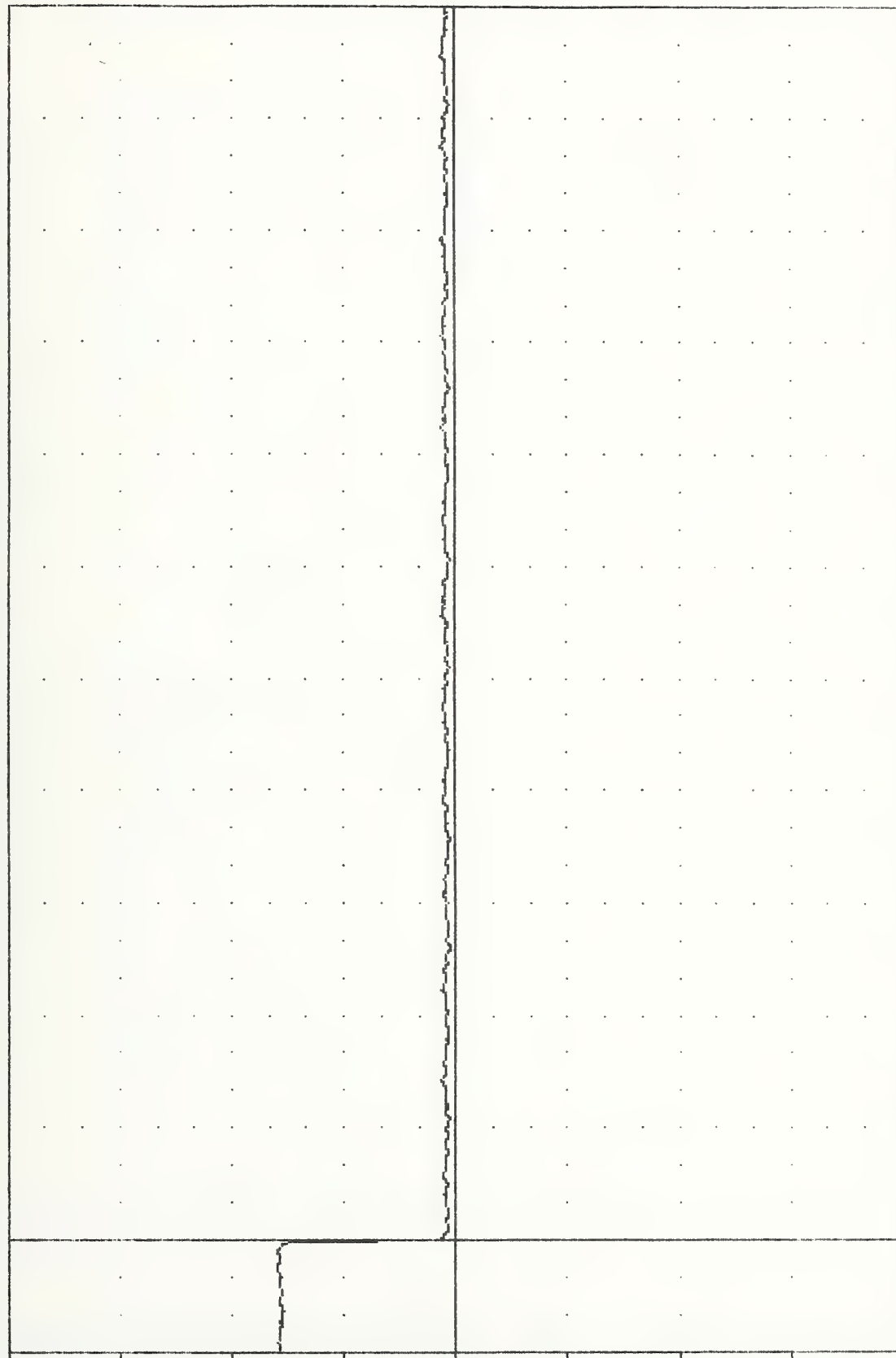
VRTC , R0384-1-40
 BREED AIRBAG SLED PROGRAM
 85148
 EVENT

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.05e 71.25, 1.61 e -5.00

VOLTAGE (VOLTS)



TIME (MSEC) 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 EVENT

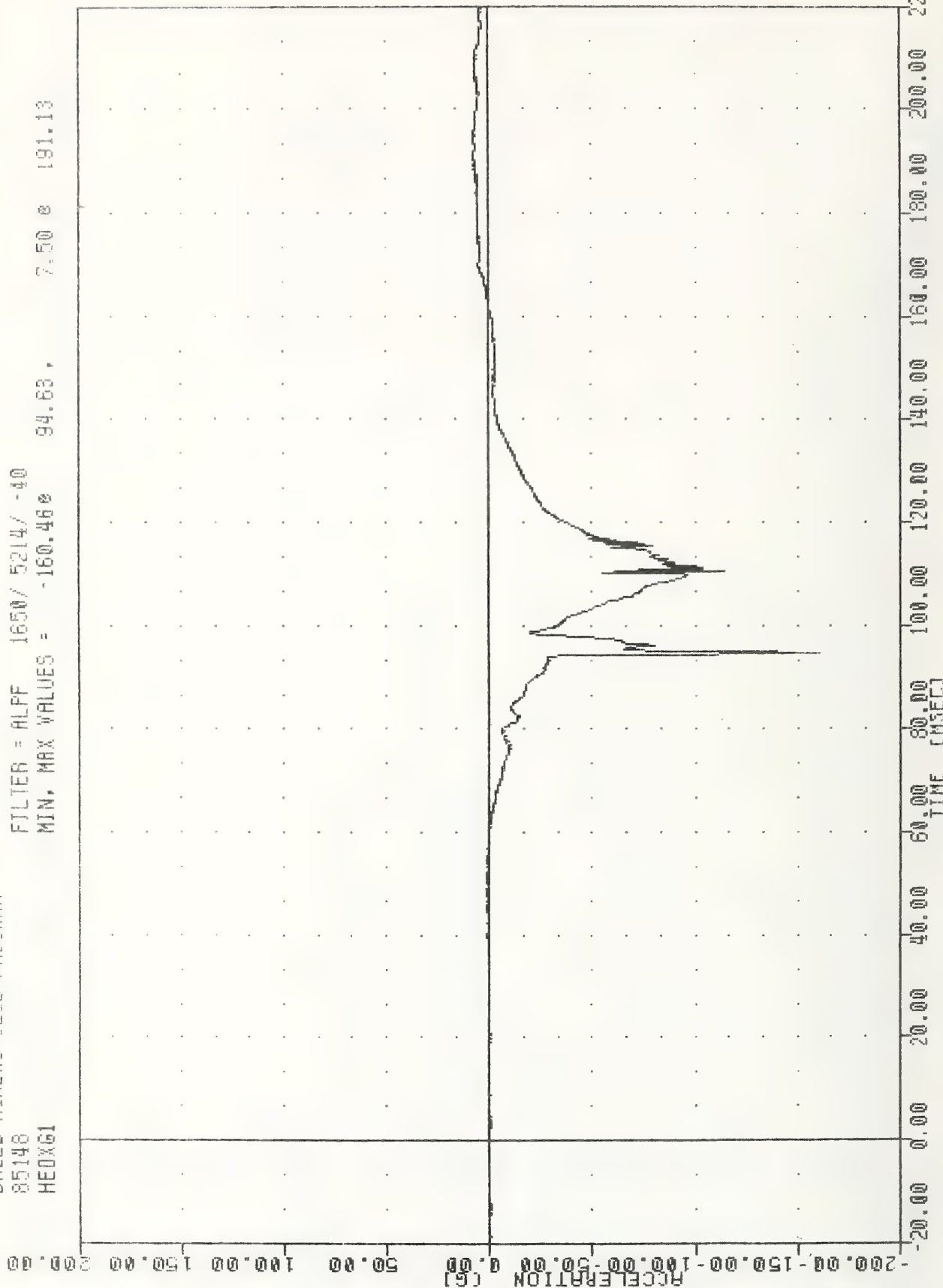
VRTC , PD324-4-40
BASED AIRBAG SLED PROGRAM
85148
HEDX61

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -160.460 94.63 ,

7.50 @ 191.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC , RD384-4-40
BREED AIRBAG SLED PROGRAM
85148
HEDXV1

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -51.628 162.63 , 0.43 61.13

10.00

0.00

-10.00

-20.00

-30.00

-40.00

-50.00

-60.00

-70.00

VELOCITY (MPH)

-20.00

0.00

20.00

40.00

60.00

80.00

100.00

120.00

140.00

160.00

180.00

200.00

220.00

TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

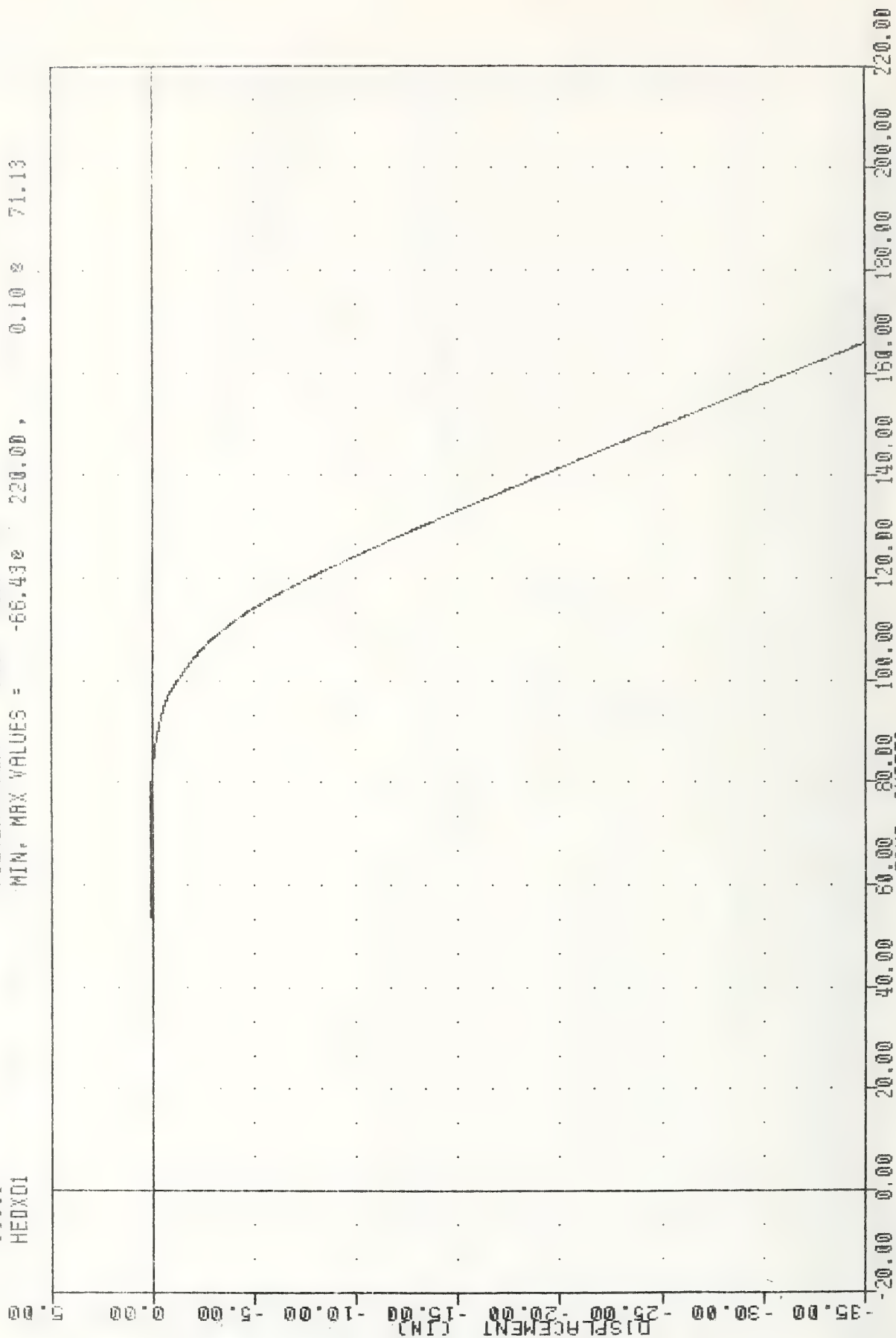
DELTA V USING HEDXG1

VRIC , RD304-4-40
BREED AIRBAG SLED PROGRAM
85148
HEDX01

PLOT DATE 28-MAY-85 15:59:24

FILTER = 6LFF 300/ 949/ -40

MIN. MAX VALUES = -66.430 220.00, 0.10 71.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

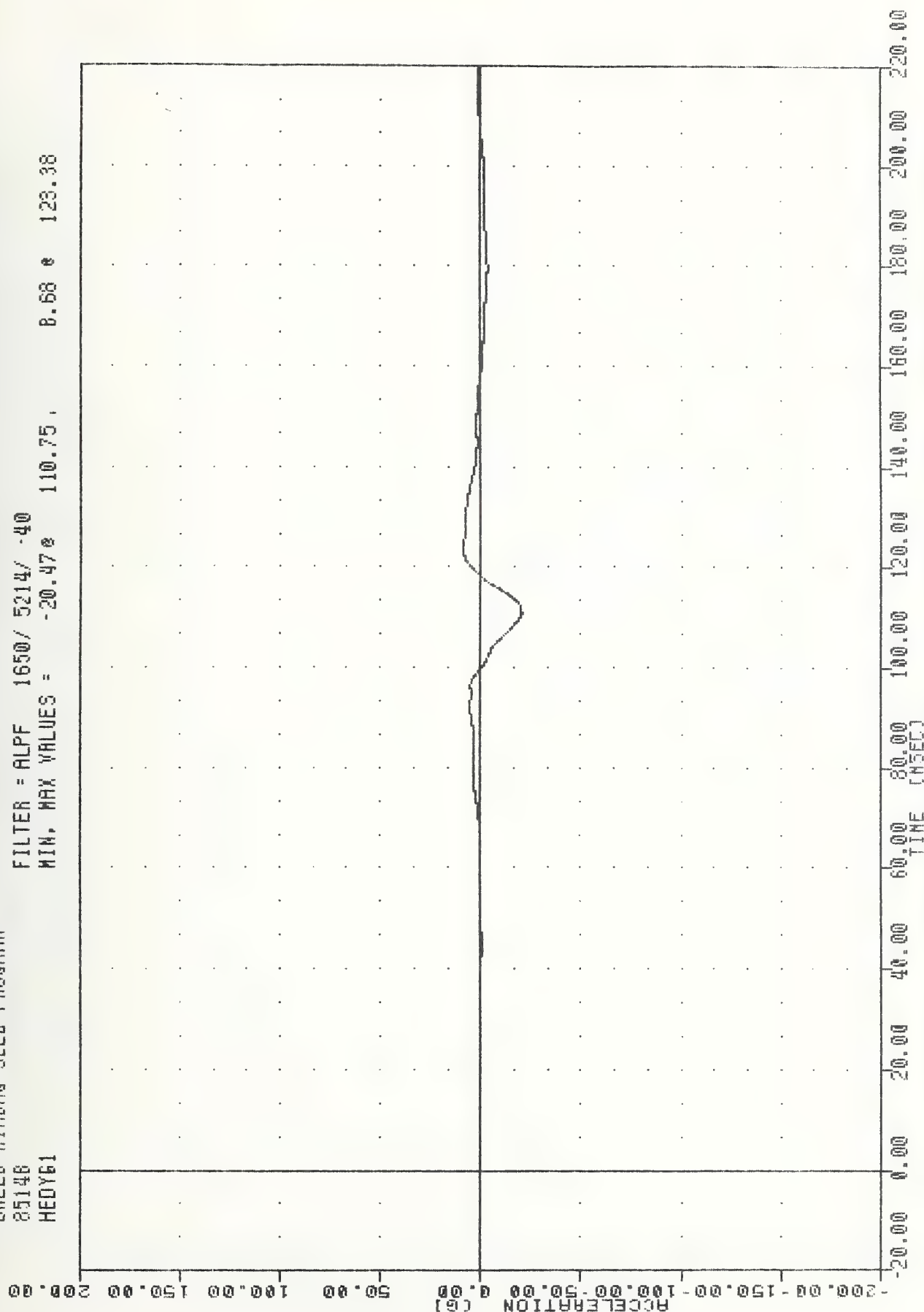
DELTA X USING HEDXV1

VRTC , RD384-4-40
BREED AIRBAG SLED PROGRAM
85148
HEDY61

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -20.478 110.75 , 8.58 123.38



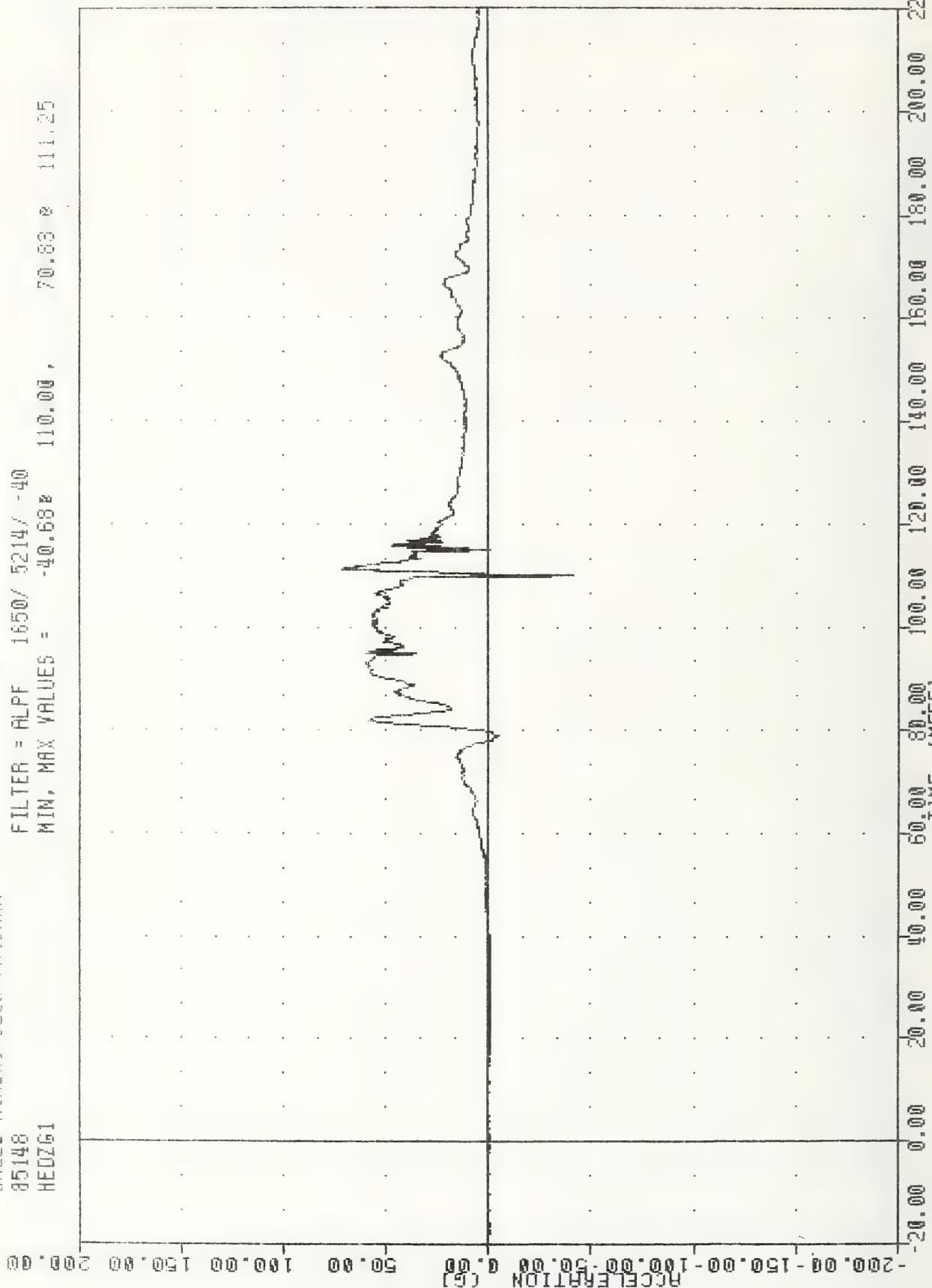
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Y AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85148
HEDZ61

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -40.68 110.00 70.83 111.25



508

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

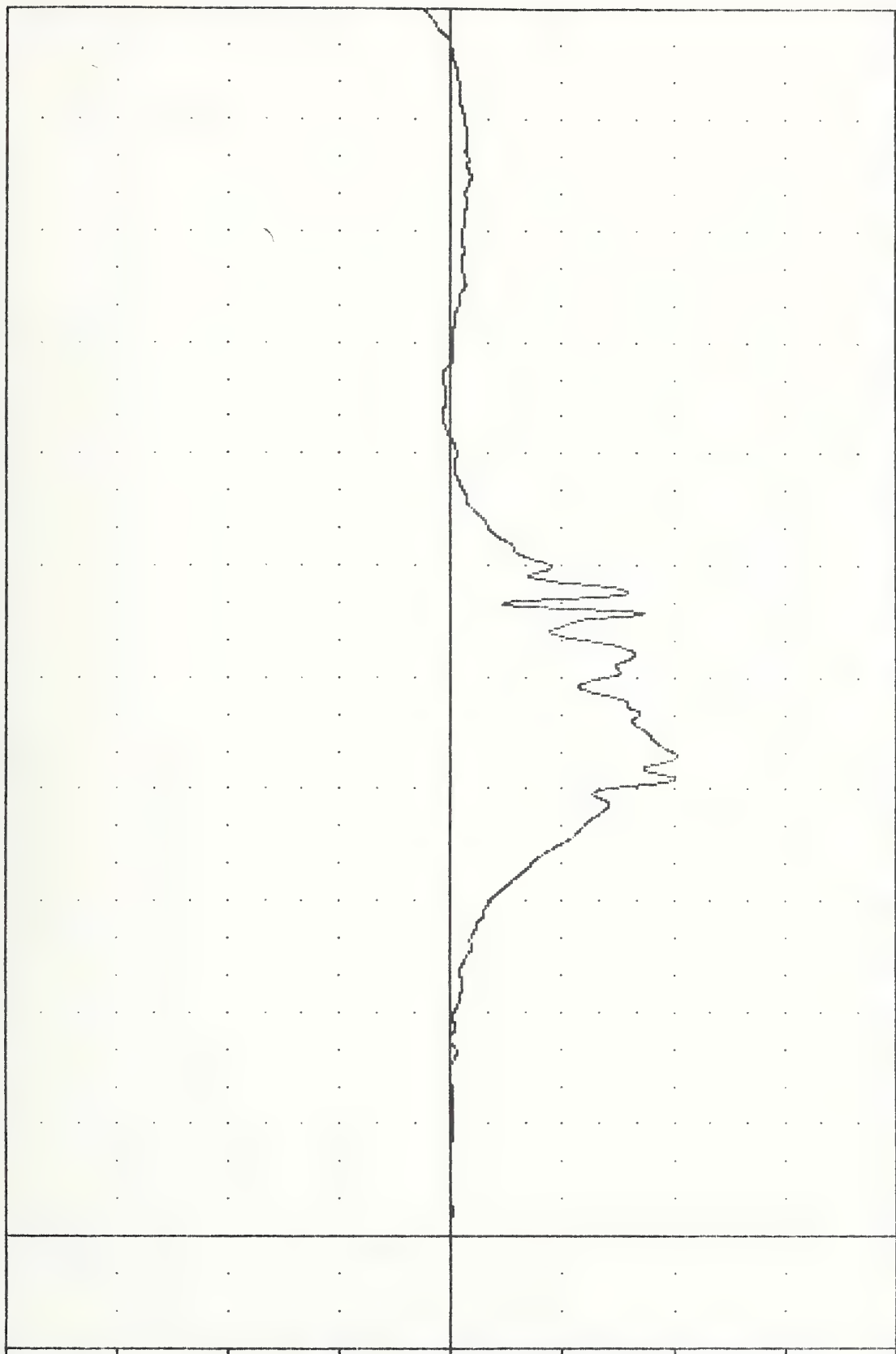
VRTC , RD384-4-40
BREED AIRBAG SLED PROGRAM
85148
CSTXG1

PLOT DATE 28-MAY-85 15:57:25

FILTER = 8LPF 300/ 949/ -40

MIN. MAX VALUES = -50.78 85.88 6.03 220.00

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

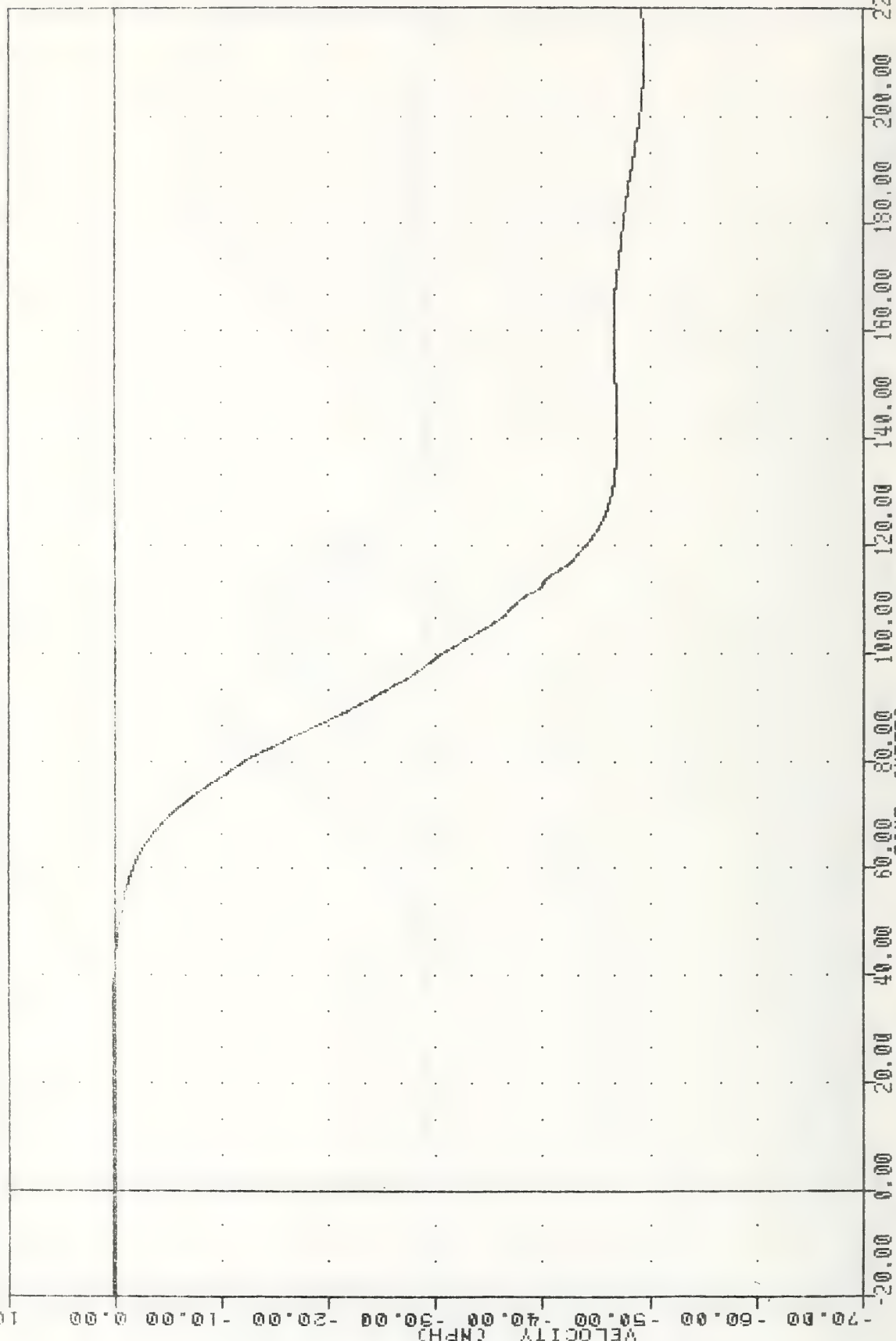
VATIC 20404-4 40
 BREED AIRBAG SLED PROGRAM
 85148
 CSTXV1

PLC DATE 05-04-87 11:15 AM

FILTER = BLPF 300 / 949 / -40

MIN. MAX VALUES = -49.55% 213.75 , 0.27% -13.75

10.00



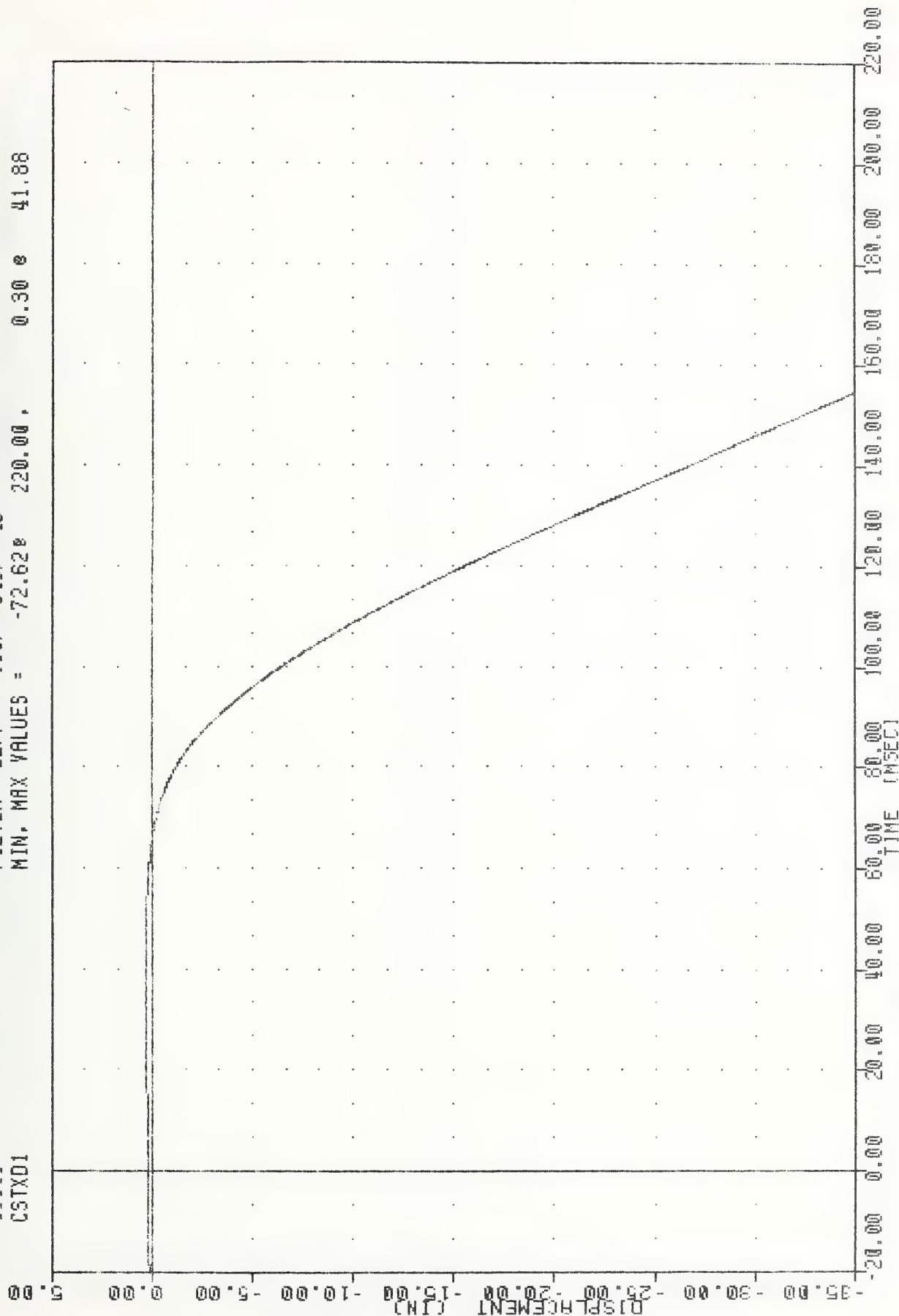
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING CSTXG1

VRIC RD384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 CSTX01

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -72.628 220.00 0.30 41.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING CSTXV1

VRTC . 80384-9-40
BREED AIRBAG SLED PROGRAM
85148
CSTY61

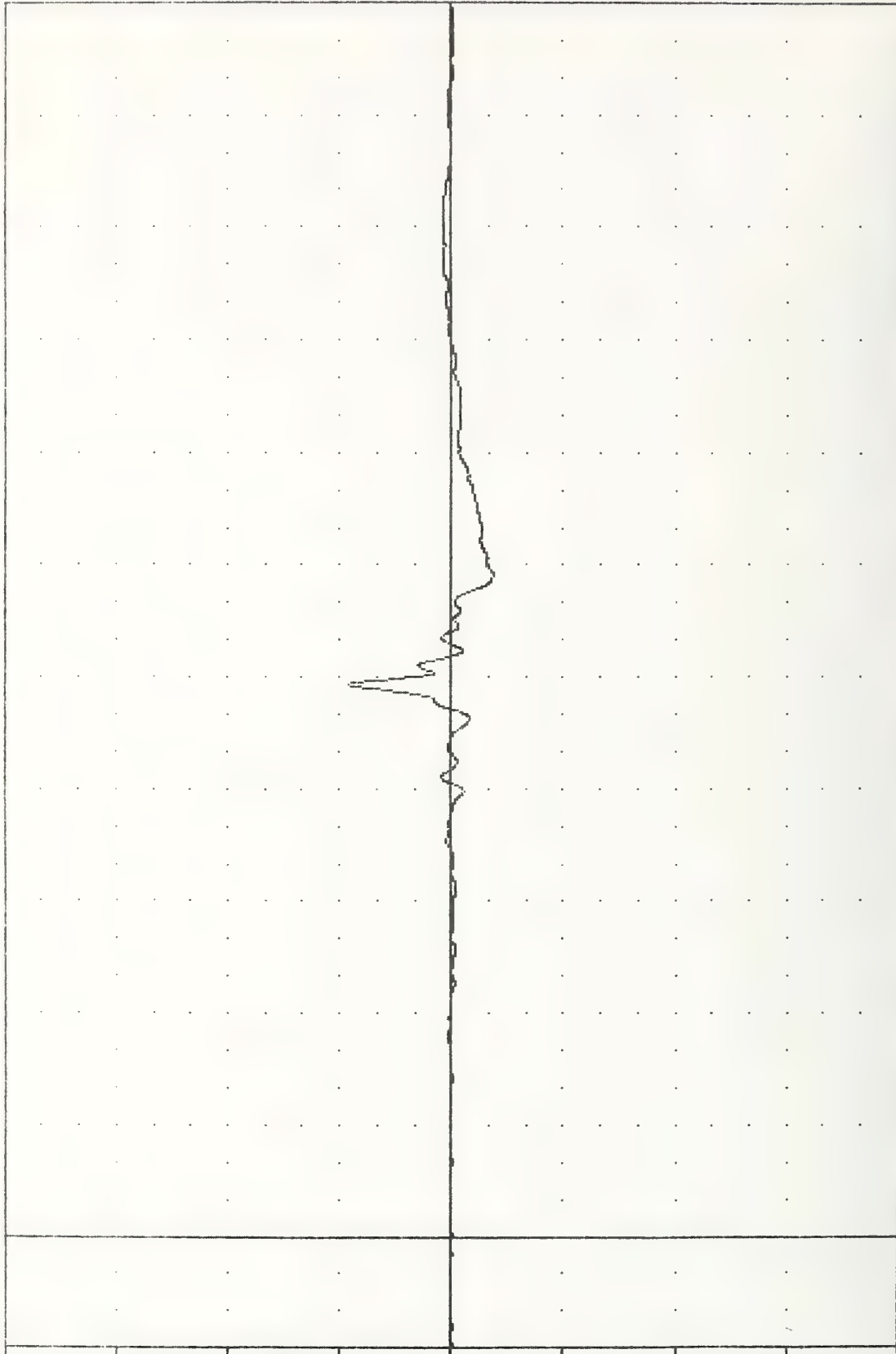
PLT DATE 18 MAY 85 1507125

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -9.32e 118.58 , 23.03 e 98.63

100.00
75.00
50.00
25.00
0.00
-25.00
-50.00
-75.00
-100.00

ACCELERATION
CG



20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

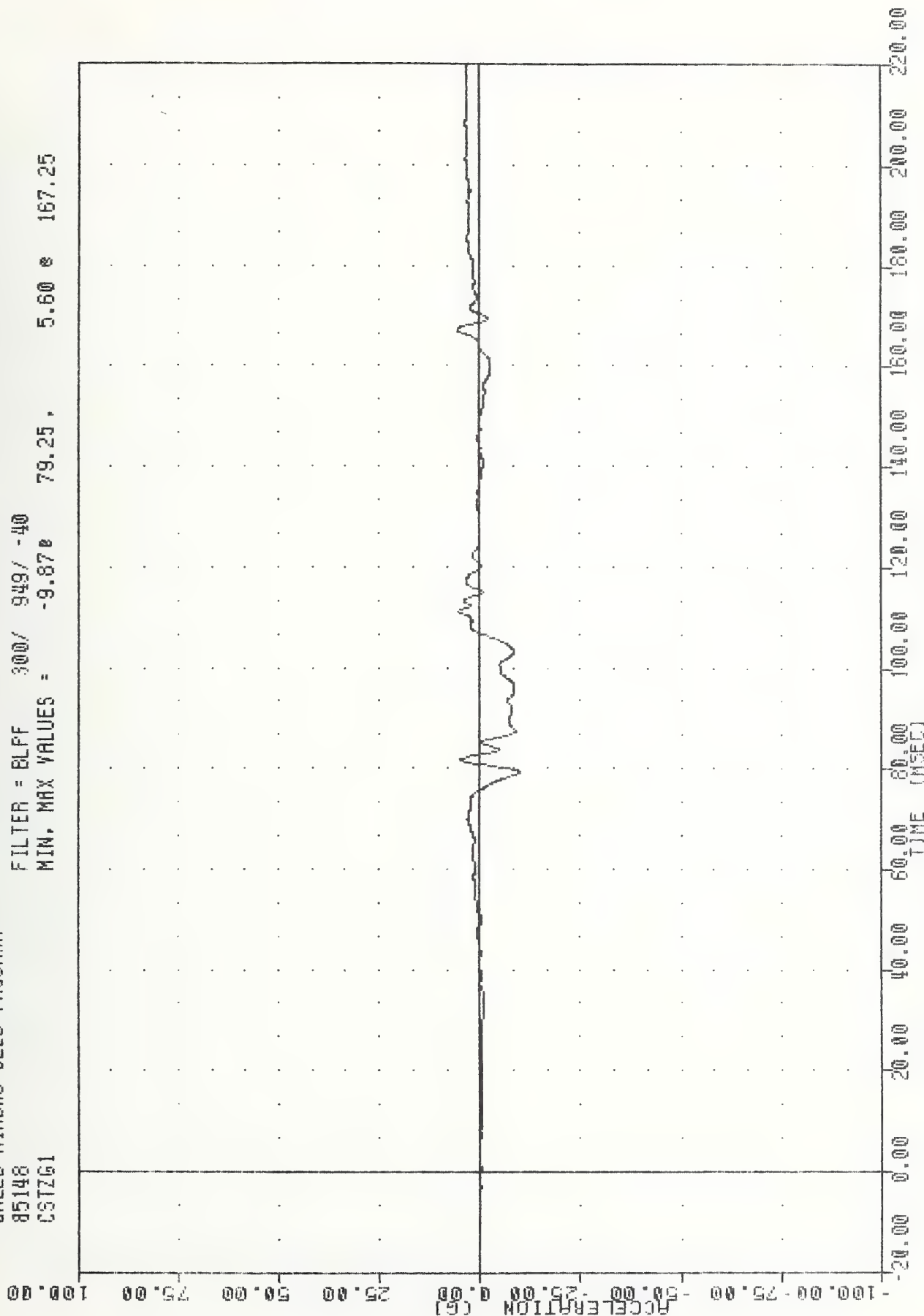
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC , R0384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 CSTZ61

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -9.87e 79.25, 5.60 e 167.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

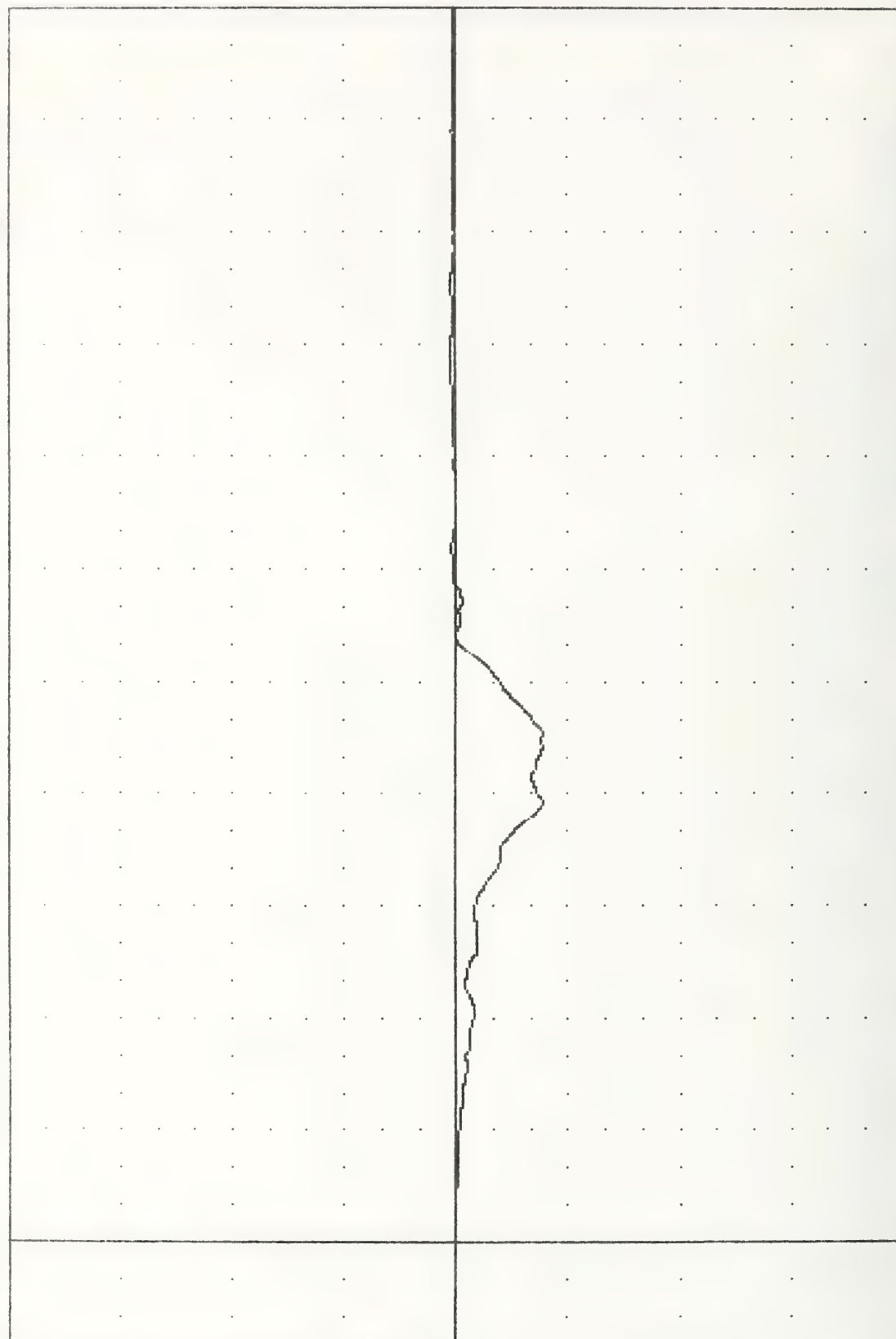
VRIC , R0384-4-40
BREED AIRBAG SLED PROGRAM
85148
PEVX61

PLOT DATE 28-MAY-85 15:57:25

FILTER = 8LPF 300/ 949/ -40

MIN. MAX VALUES = -38.84e 78.38. 2.82 e 170.80

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VR1C , RD384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 PEVXV1

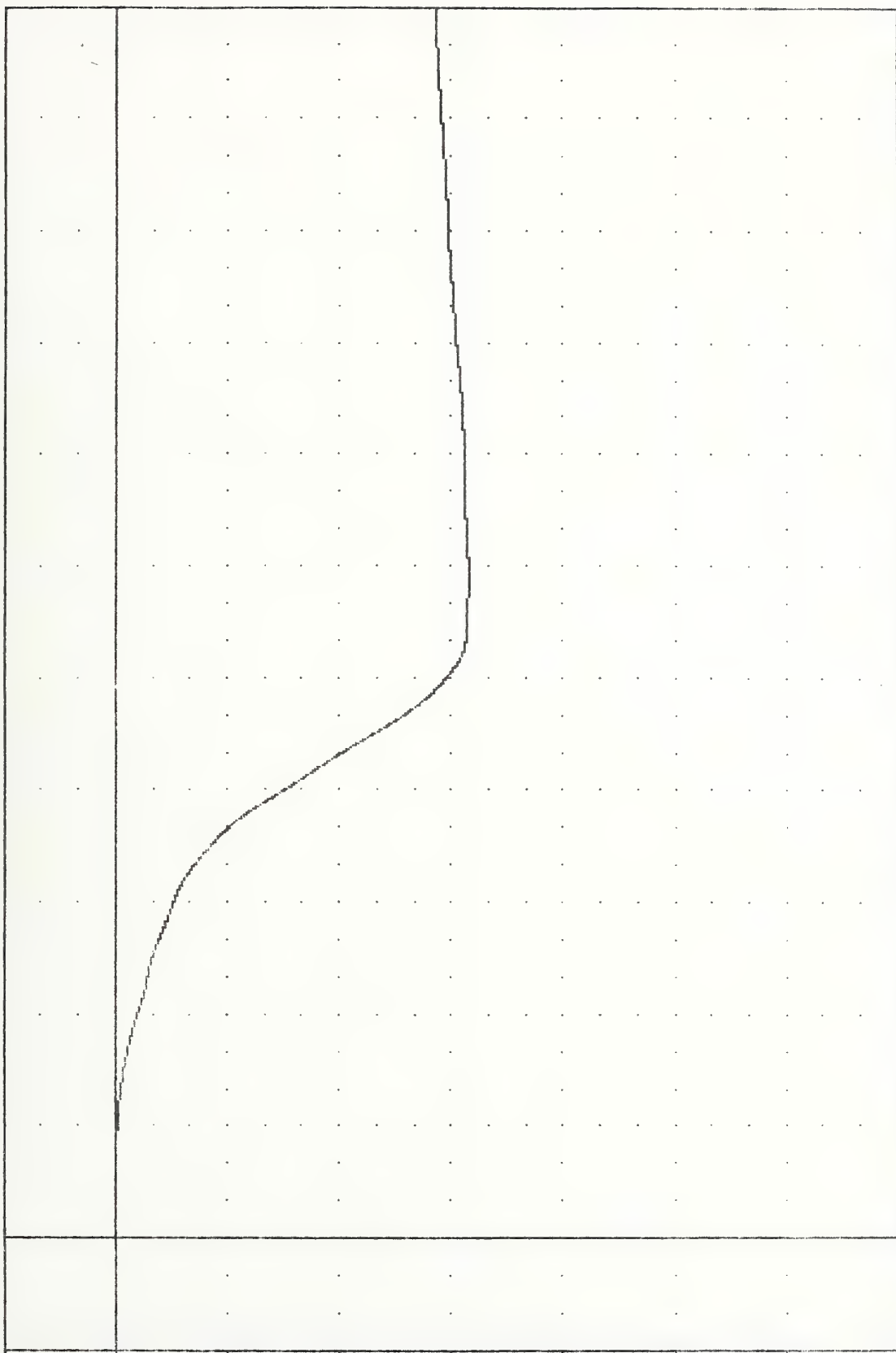
PLOT DATE 28-MAY-85 15:59:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -31.66e 117.00 , -0.01 e -10.13

10.00
 0.00
 -10.00
 -20.00
 -30.00
 -40.00
 -50.00
 -60.00
 -70.00

VELOCITY (MPH)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)

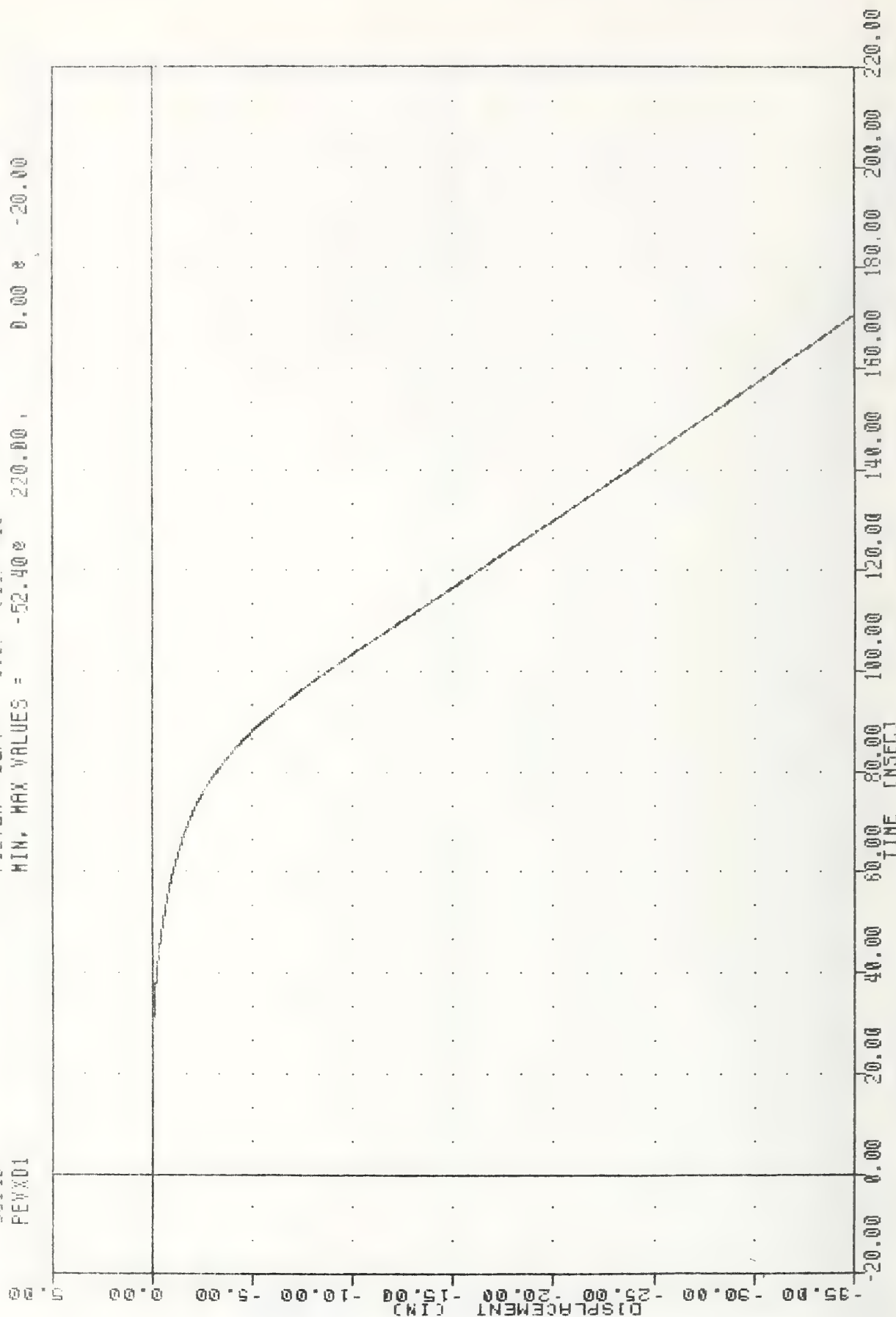
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING PEVXG1

VNTC
BRED RIBBON SLED PROGRAM
05148
PEVX01

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -52.40e 220.00, 0.00 e -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

DELTA X USING PEVXV1

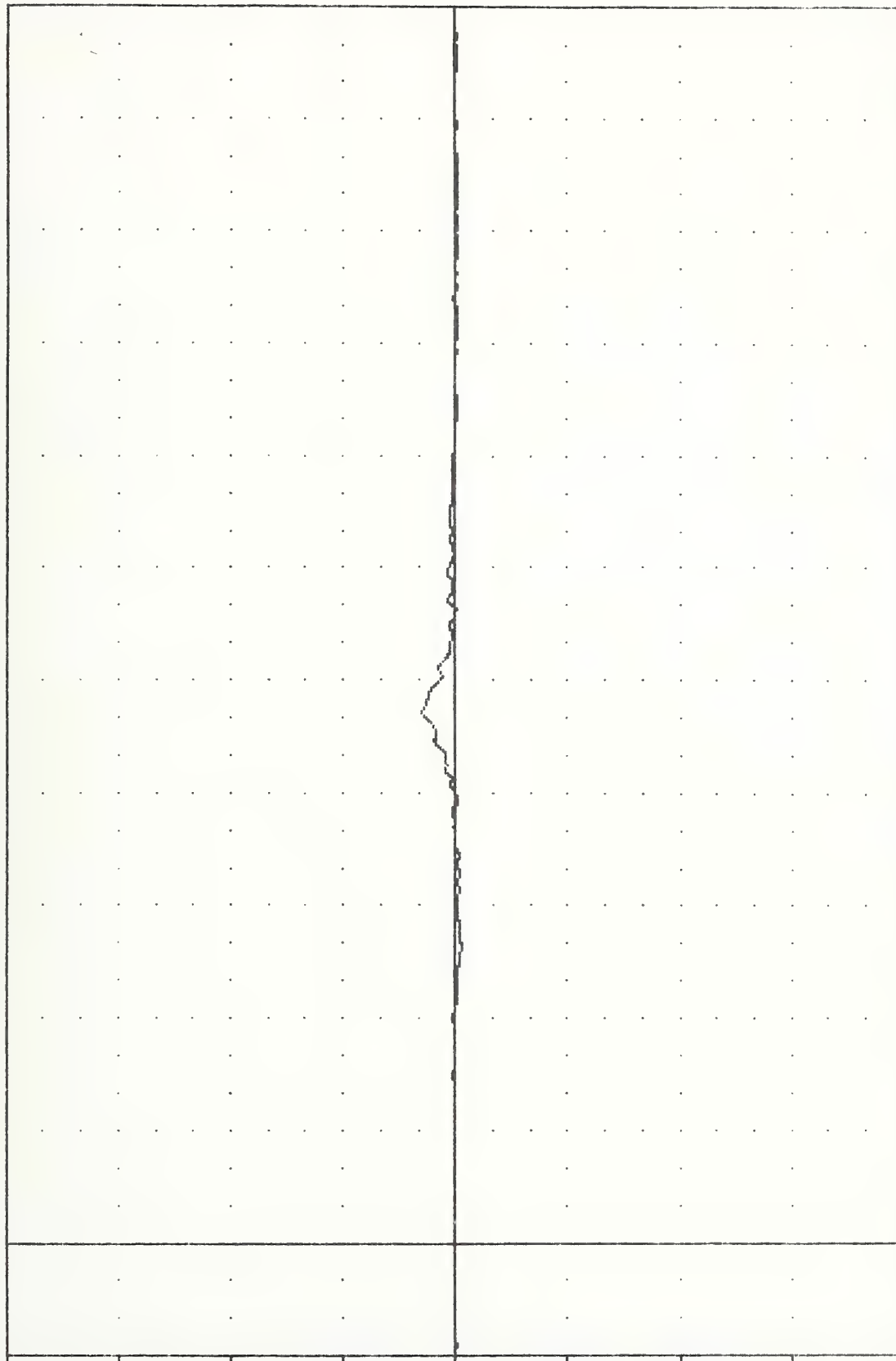
VRTC
 BREED AIRBAG SLED PROGRAM
 85148
 PEVY61

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -2.58e 52.50, 14.90 e 94.25

ACCELERATION (G)

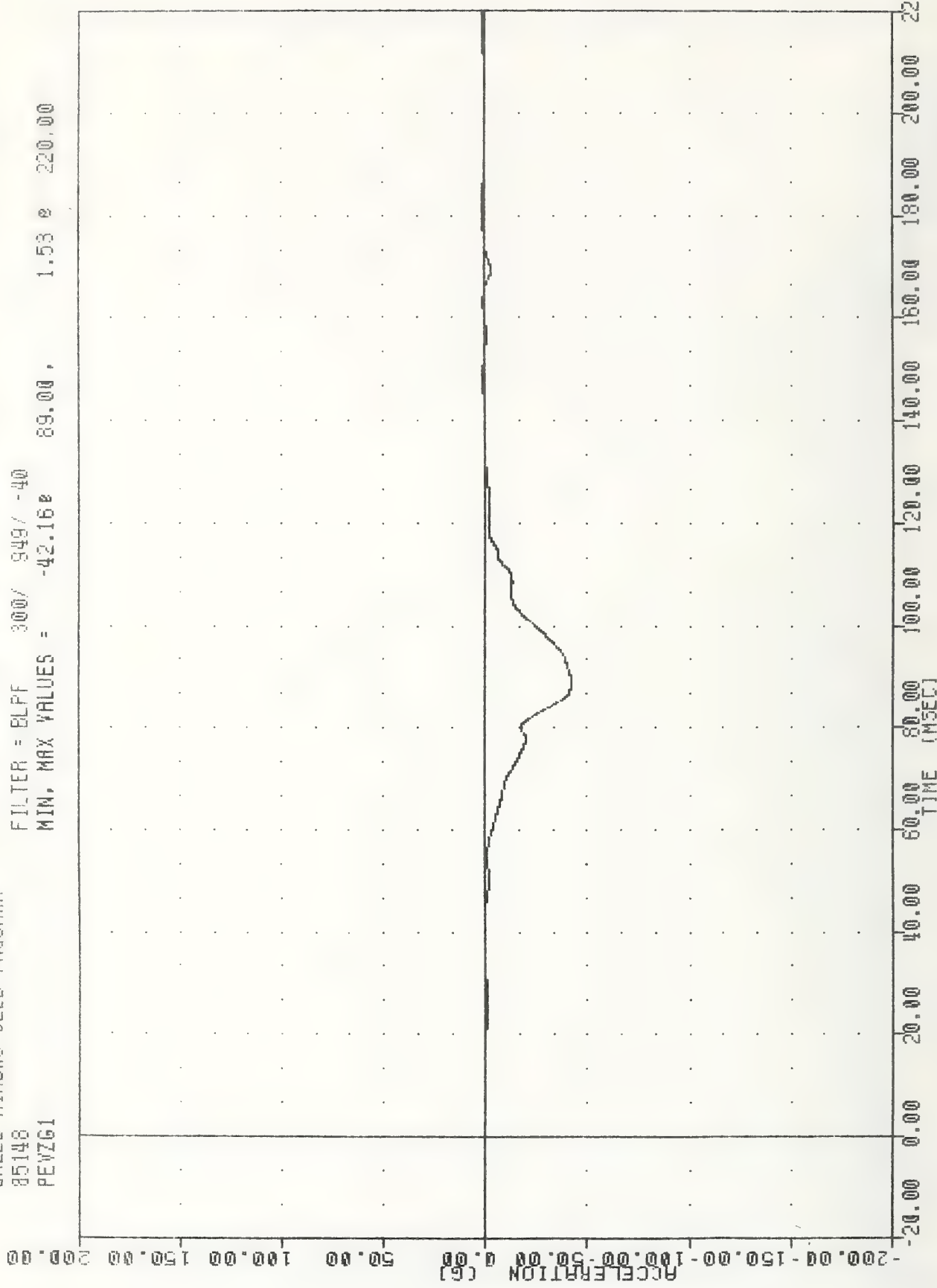


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (NSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

VRTC , RD324-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 PEVZ61

SLIP DATE 28-MAY-85 15:57:25
 FILTER = BLPF 300/ 849/ -40
 MIN, MAX VALUES = -42.16e 89.00, 1.53 e 220.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

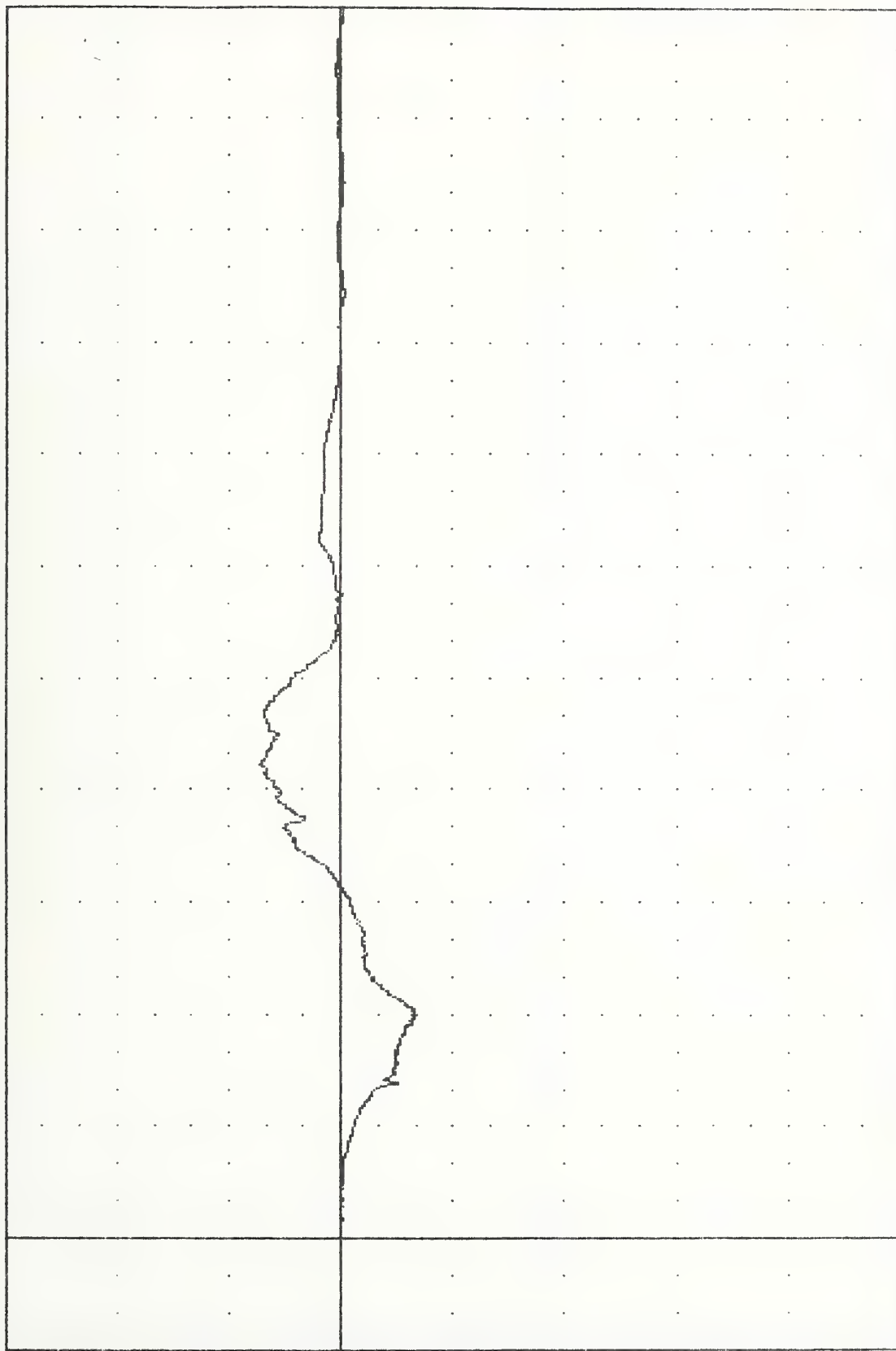
VRIC , RD304-4-40
BREED AIRBAG SLED PROGRAM
85148
LFNF1

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -394.43e 39.38 , 428.99 e 84.50

FORCE (LB)
-300.00 -240.00 -180.00 -120.00 -60.00 0.00 60.00 120.00 180.00 240.00 300.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

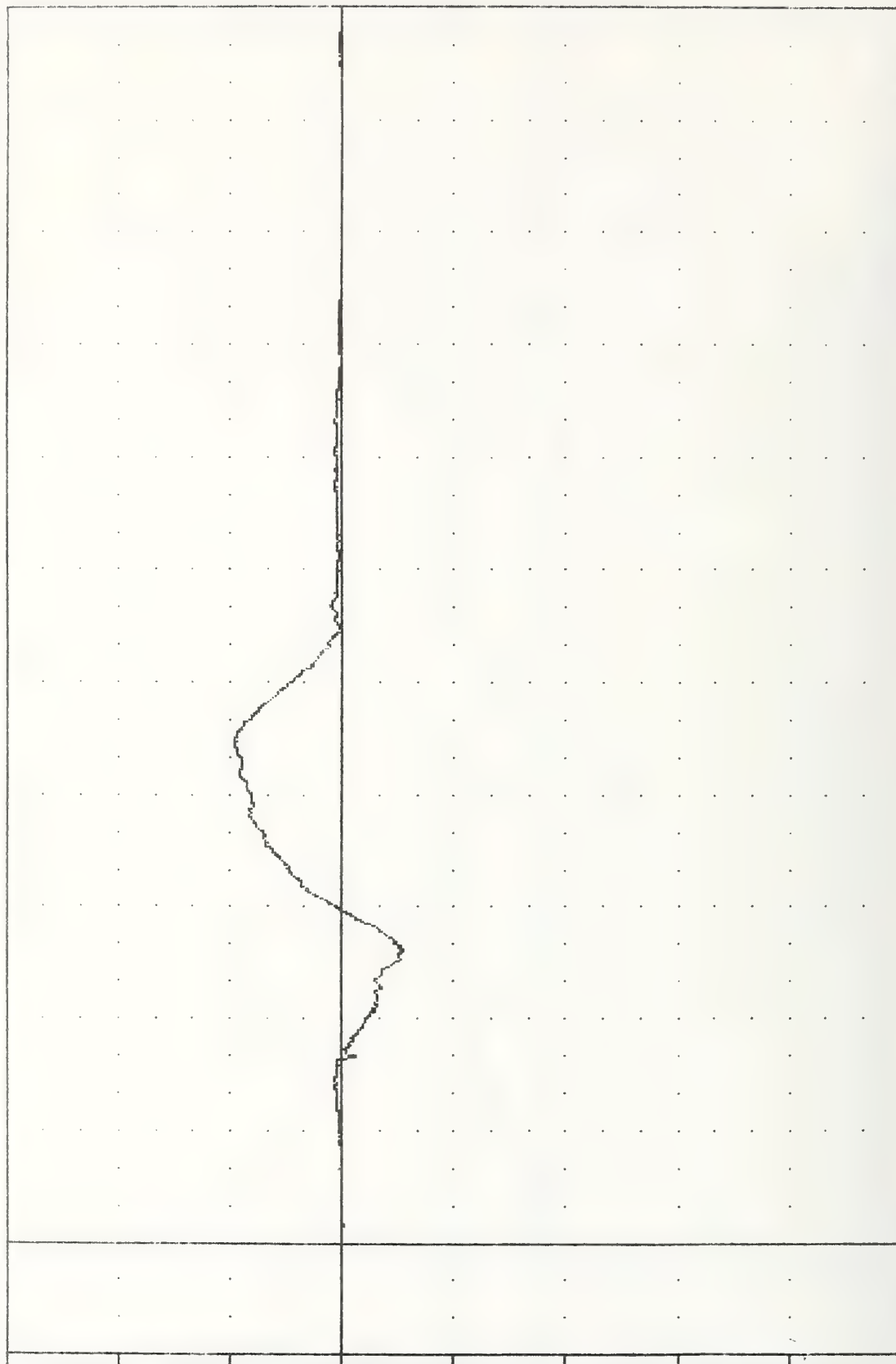
VRIC , RD384-4-40
BRAED AIRBAG SLED PROGRAM
85148
RFMF1

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -325.26 52.13 , 573.21 e 89.88

520
FORCE (LBS) (X10)
-300.00 -240.00 -180.00 -120.00 -60.00 0.00 60.00 120.00 180.00 240.00 300.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (msec)

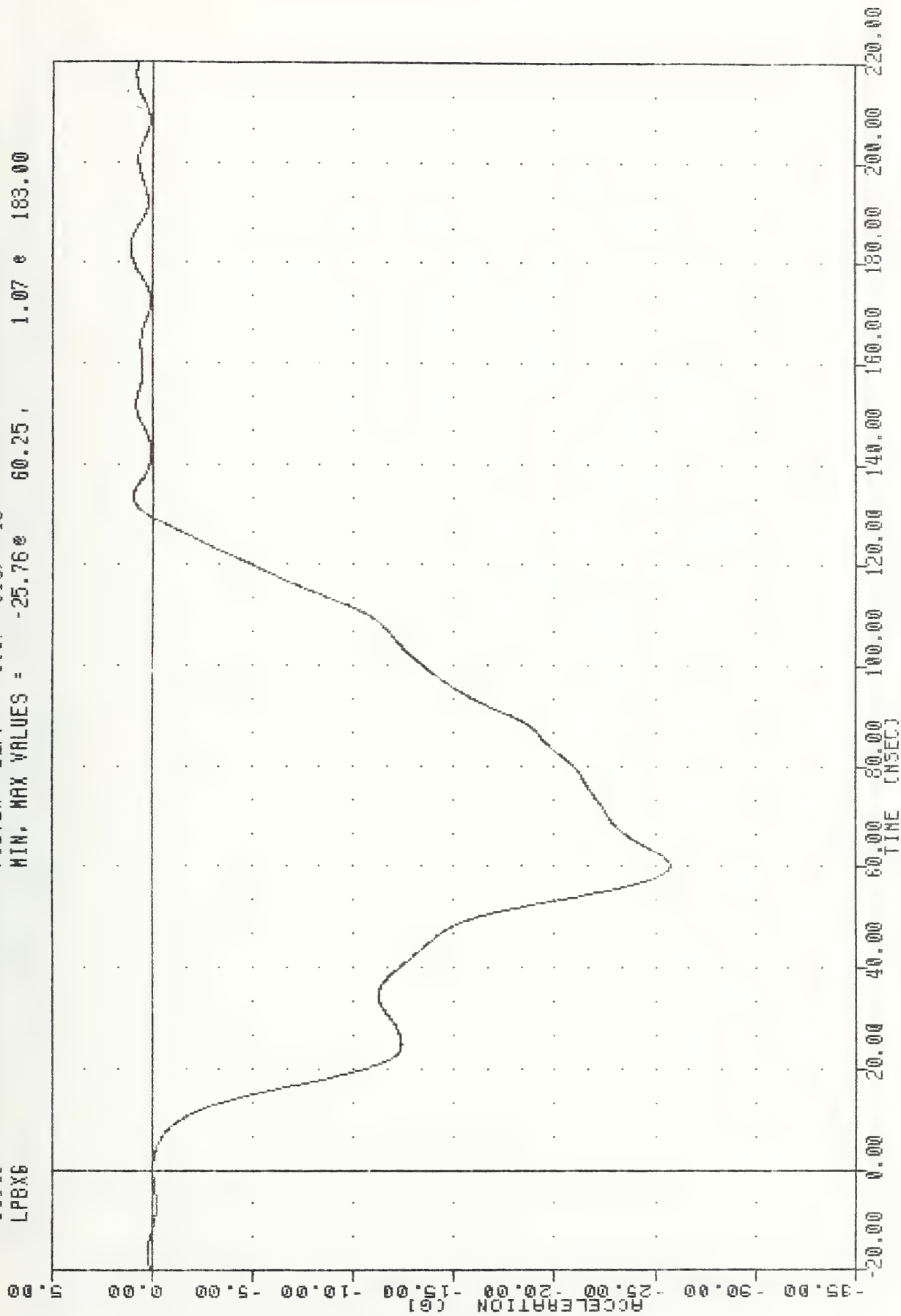
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VATC , RD384-4-40
BREED AIRBAG SLED PROGRAM
85148
LPBX6

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -25.76e 60.25, 1.07 e 183.00



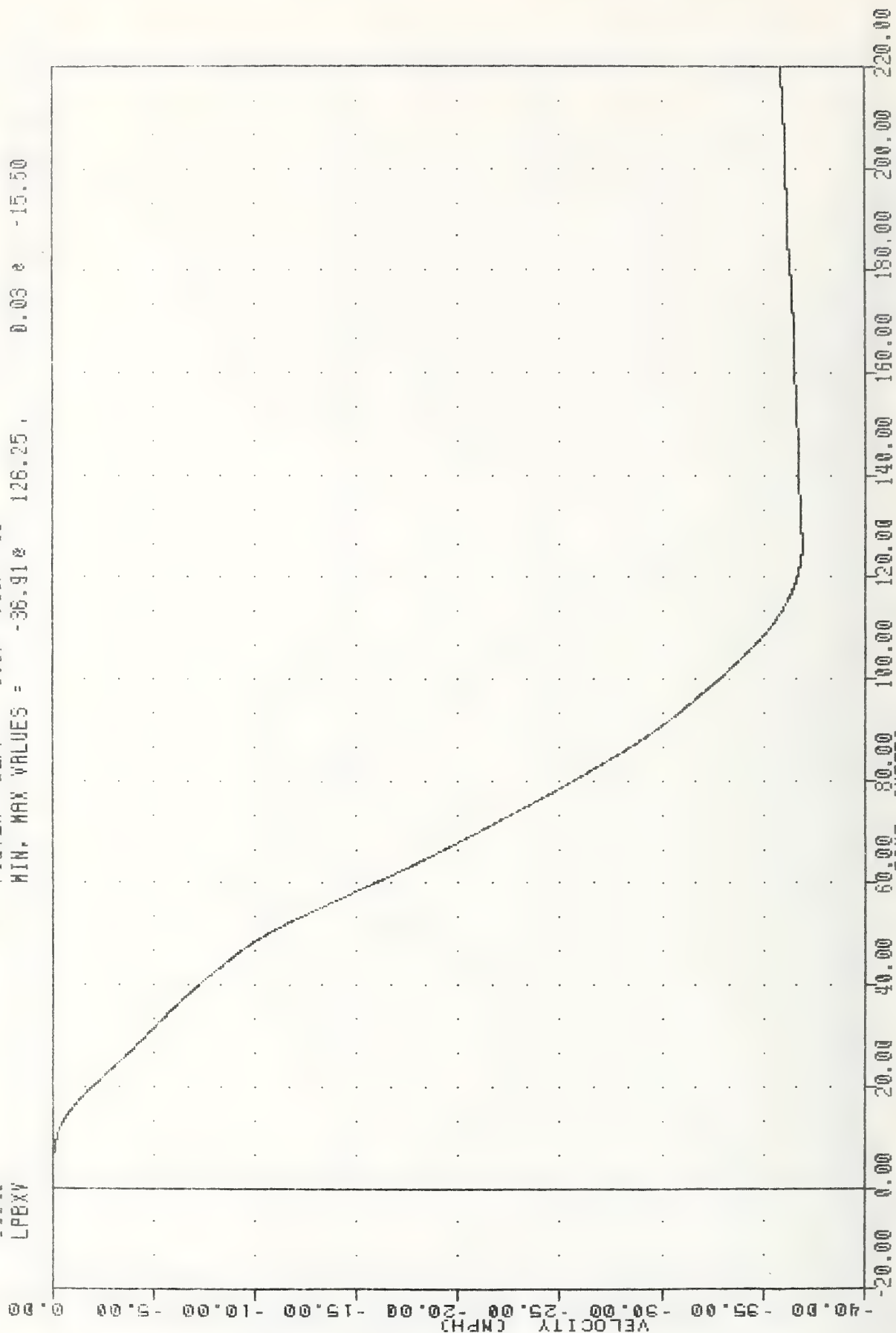
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRATC , RD384-4-40
BREED HIRBAG SLED PROGRAM
85148
LPBXV

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -36.918 126.25, 0.038 -15.50



522

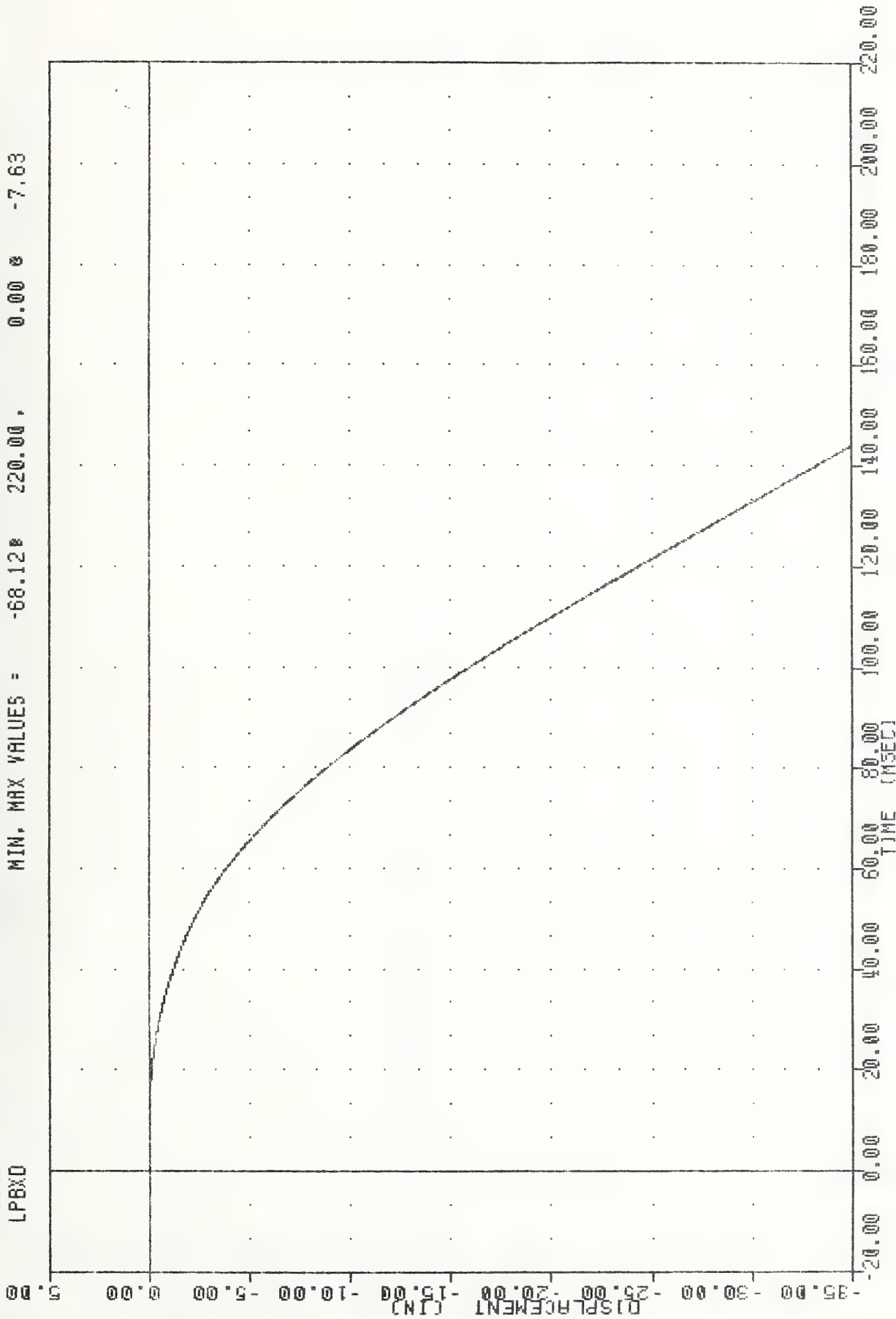
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA V USING LPBXG

VRTC
BREED AIRBAG SLED PROGRAM
85148
LPBX0

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -68.12 220.00 0.00 -7.63



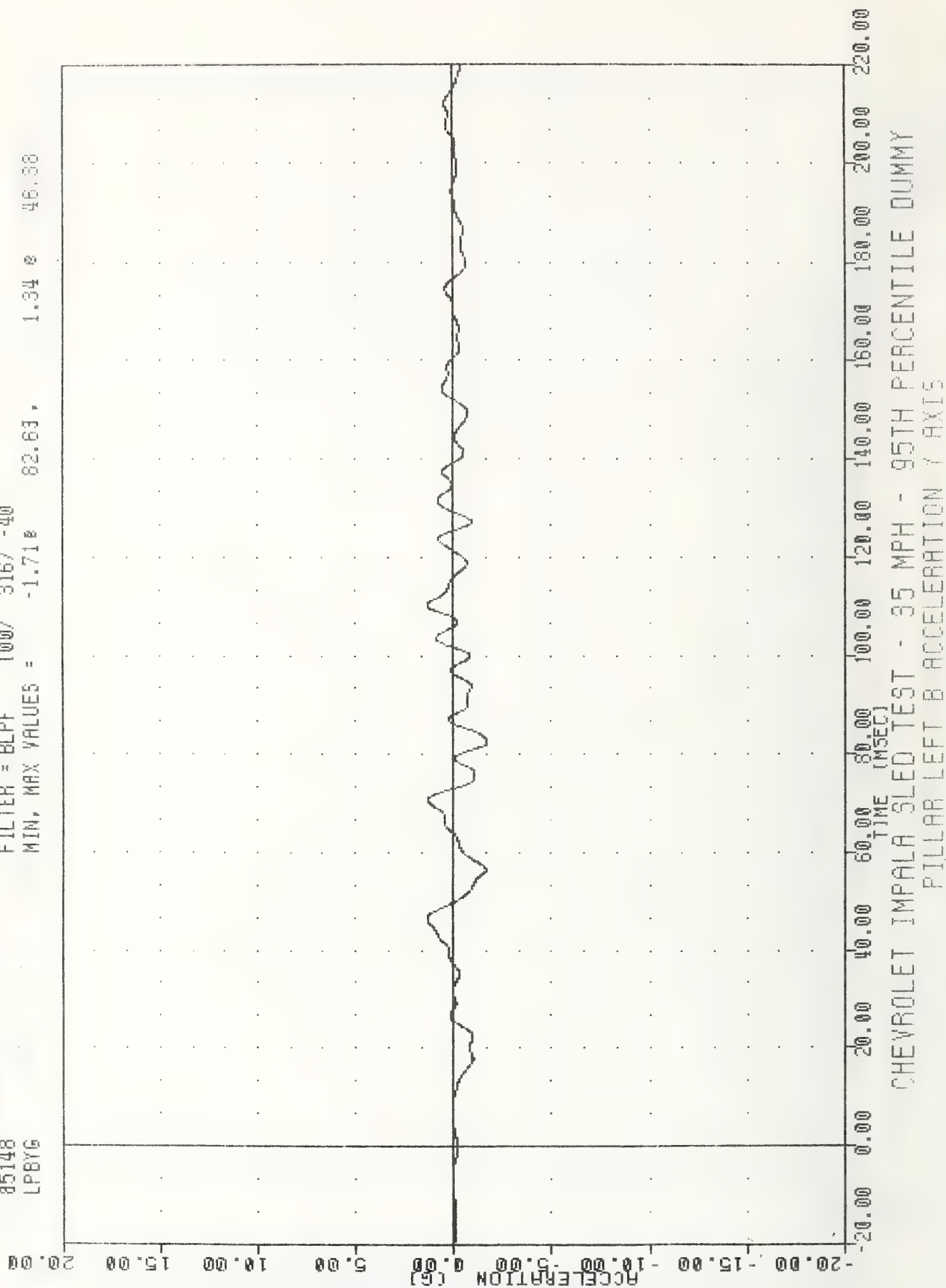
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING LPBXV

VRTC , R0384-4-40
BREED AIRBAG SLED PROGRAM
05148
LPBYG

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -1.71g 82.63, 1.34g 46.38



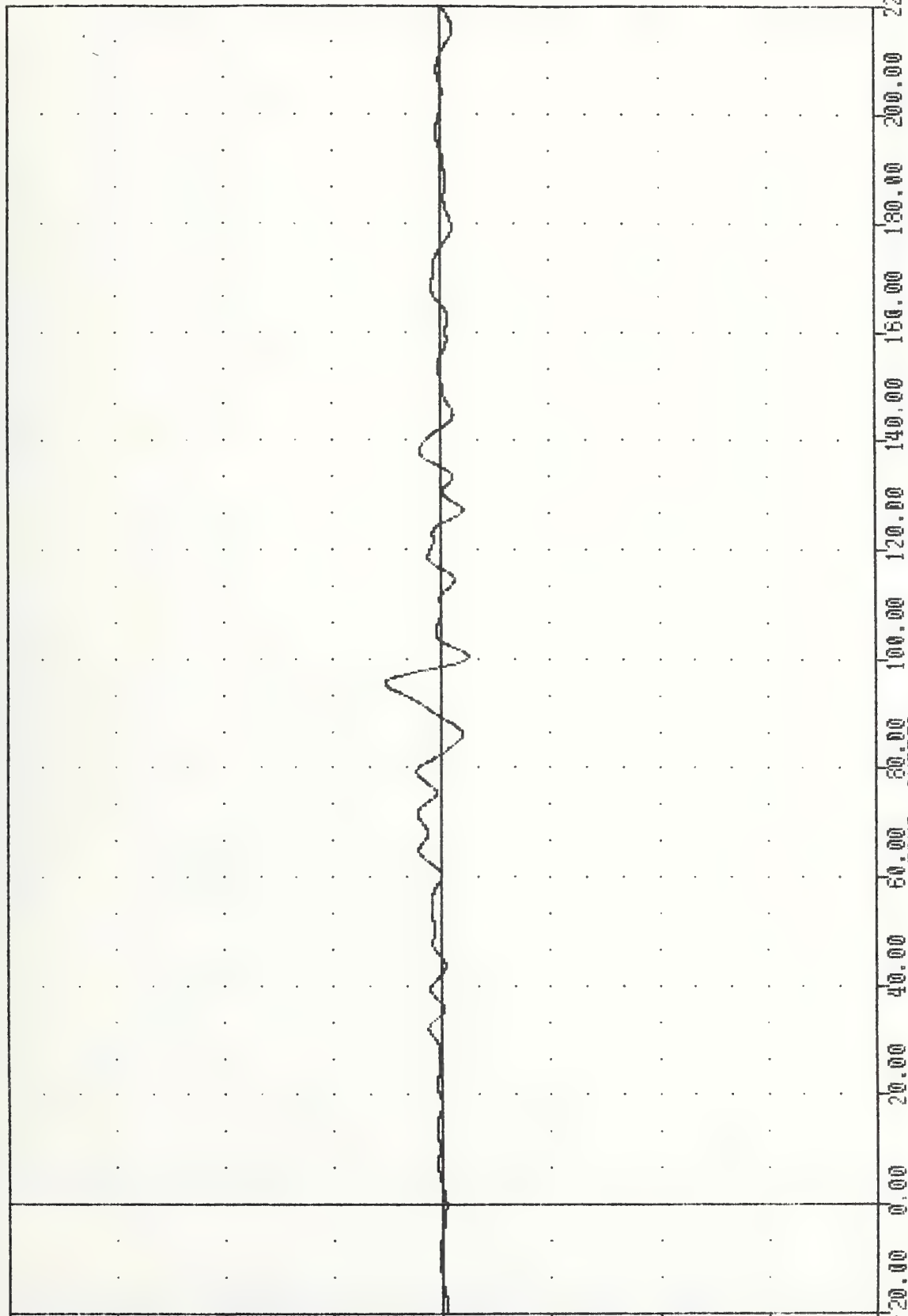
VRIC , RD384-4-40
BREED AIRBAG SLED PROGRAM
85148
LPBZG

PLOT DATE 28-MAY-85 15:57:25

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -1.22e 100.25, 2.59 e 95.38

ACCELERATION (G)



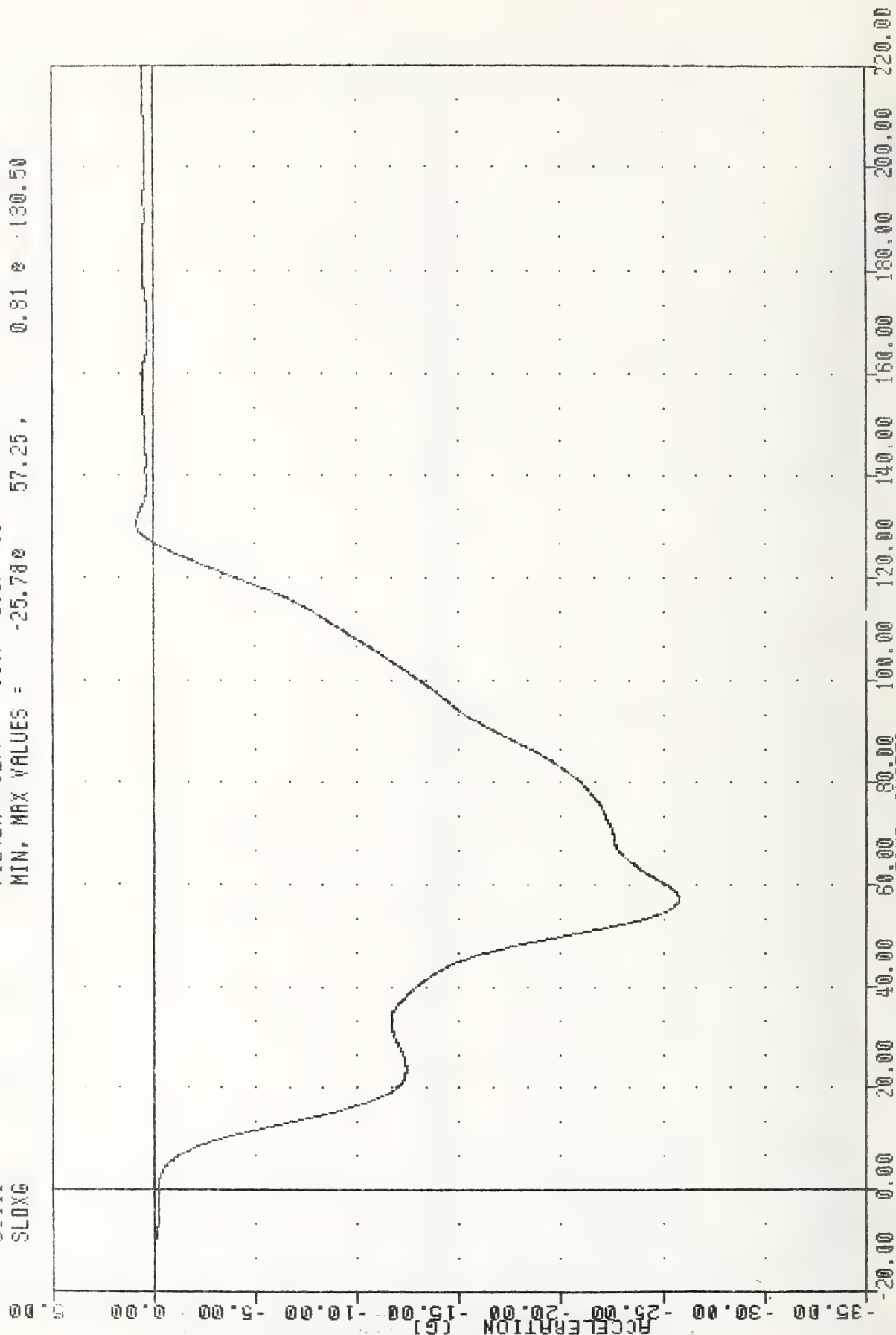
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRIC , RD384-4-40
BREED AIRBAG SLED PROGRAM
85148
SLOXC

PLOT DATE 28-MAY-65 15:57:25

FILTER = 8LFF 100/ 316/ -40

MIN, MAX VALUES = -25.78e 57.25, 0.81 e -130.50



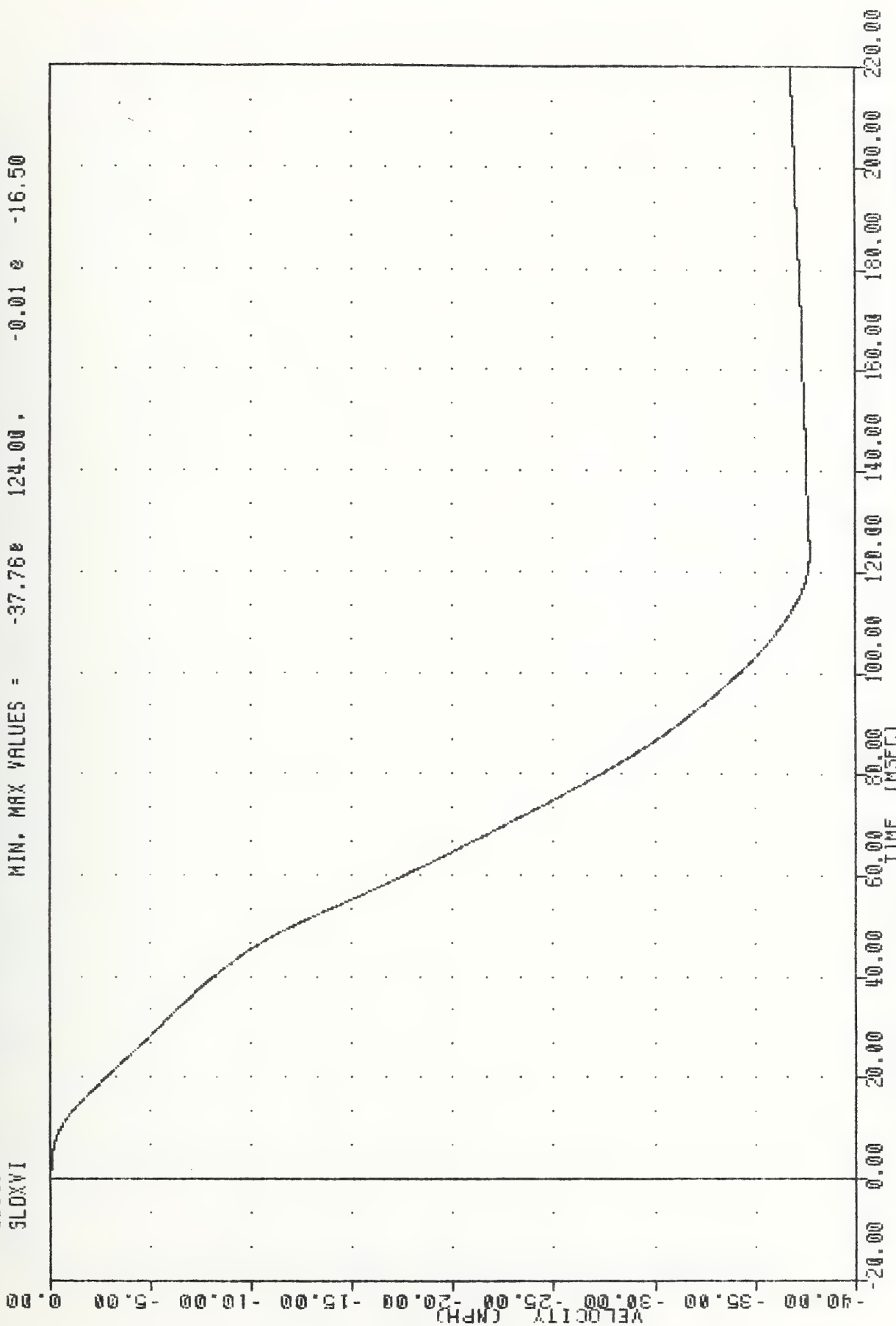
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC , R0384-4-40
BREED AIRBAG SLED PROGRAM
85148
SLOXVI

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -37.76e 124.00, -0.01 e -16.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

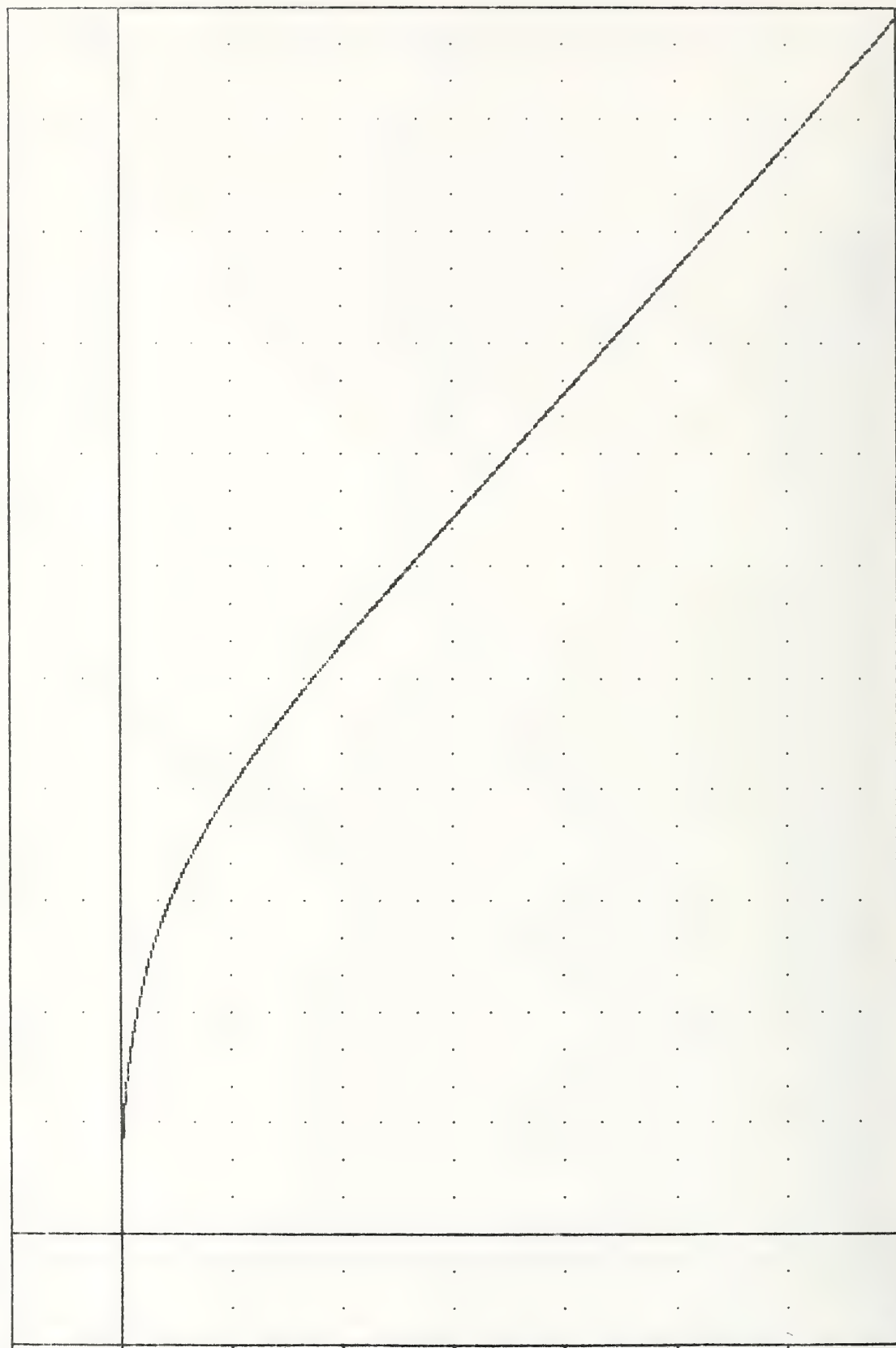
VRIC , RD384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 SLOXD

PLOT DATE : 28-MAY-85 15:59:24

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -70.92% 220.00, -0.01% -20.00

DISPLACEMENT (IN)



TIME (MSEC)

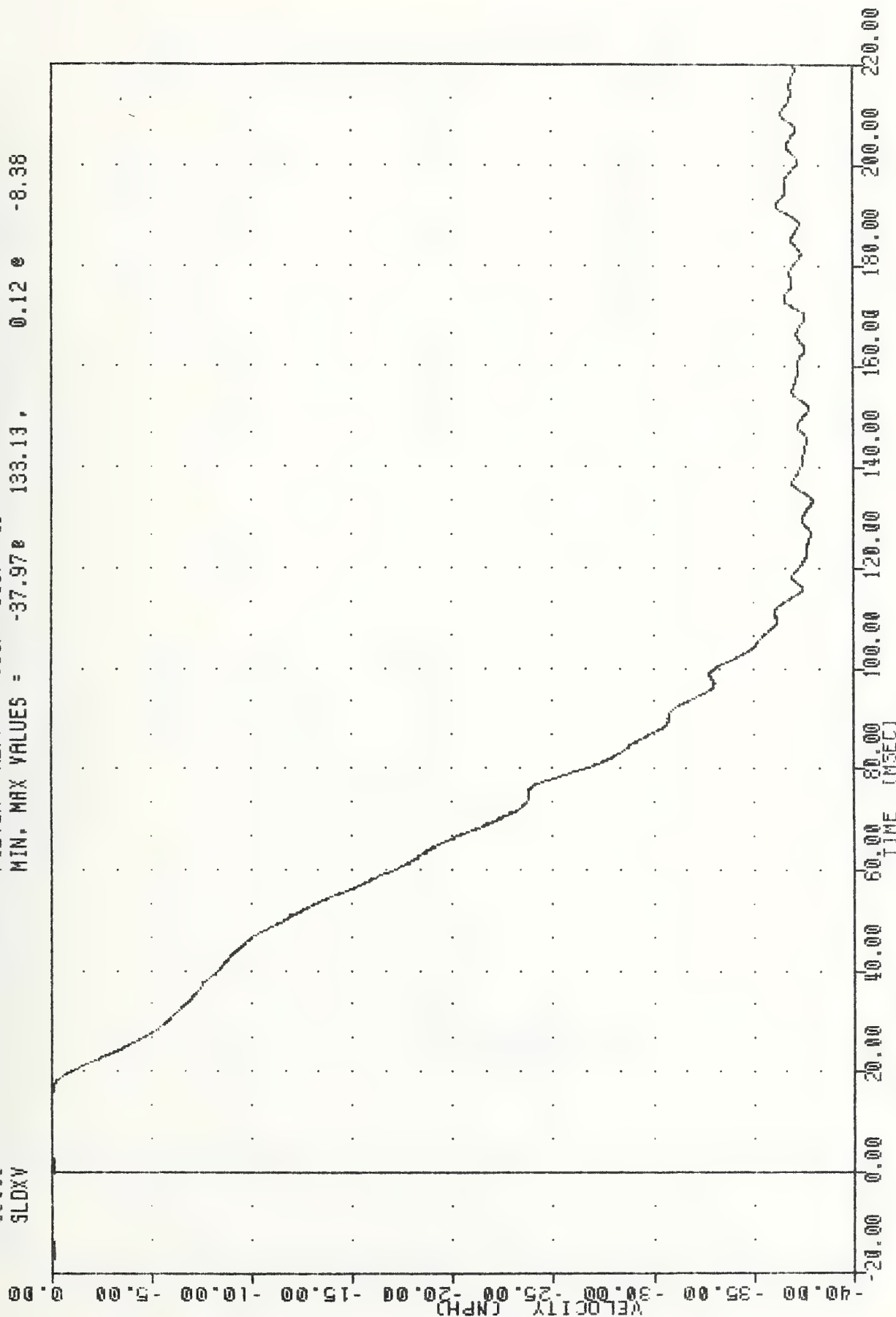
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

VRTC , R0384-4-40
BREED AIRBAG SLED PROGRAM
85148
SLODY

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 100/ 316/ -40

MIN, MAX VALUES = -37.97 133.13, 0.12 e -8.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

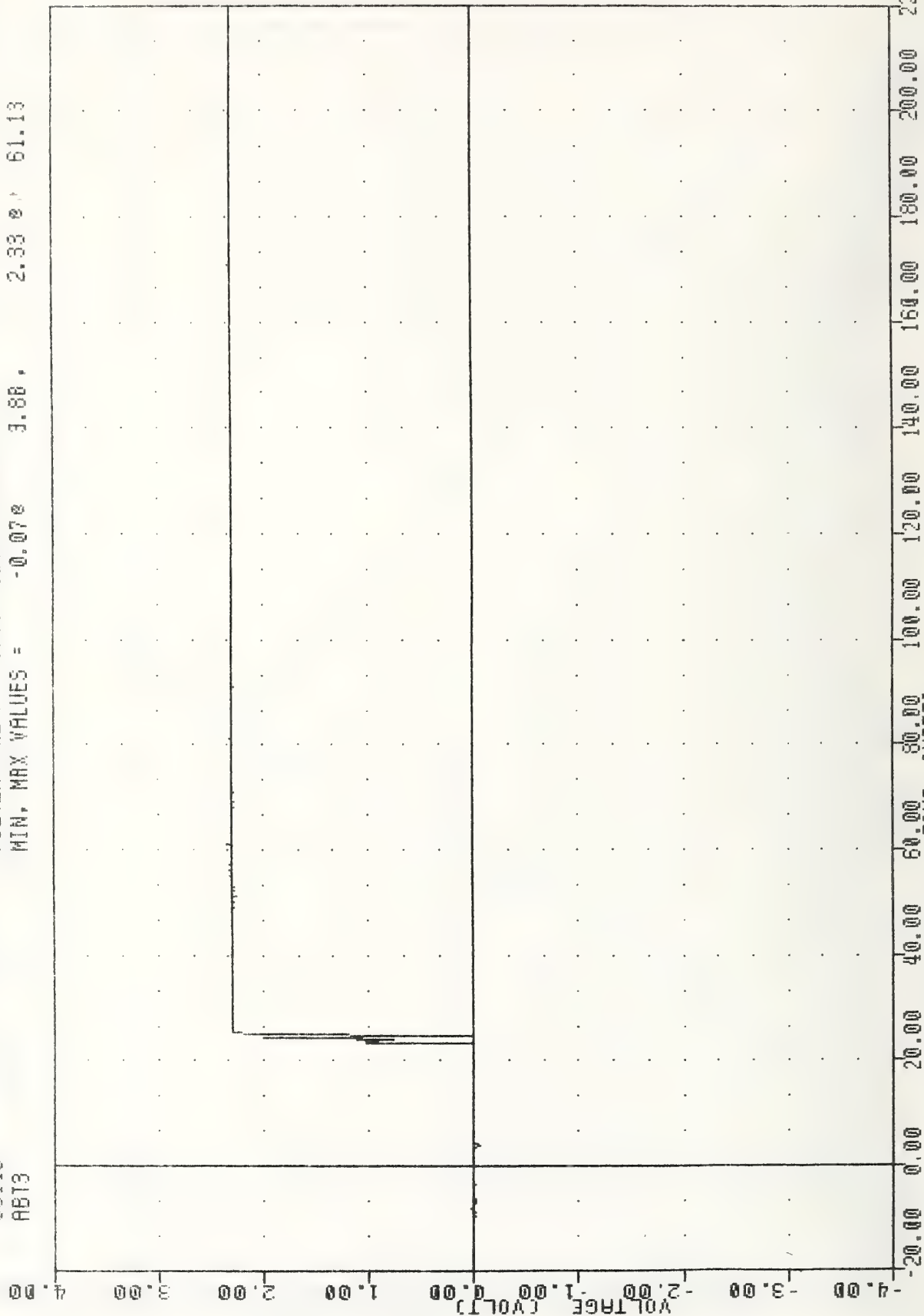
VRIC RD384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 ABT3

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.078 3.88.

2.33 61.13



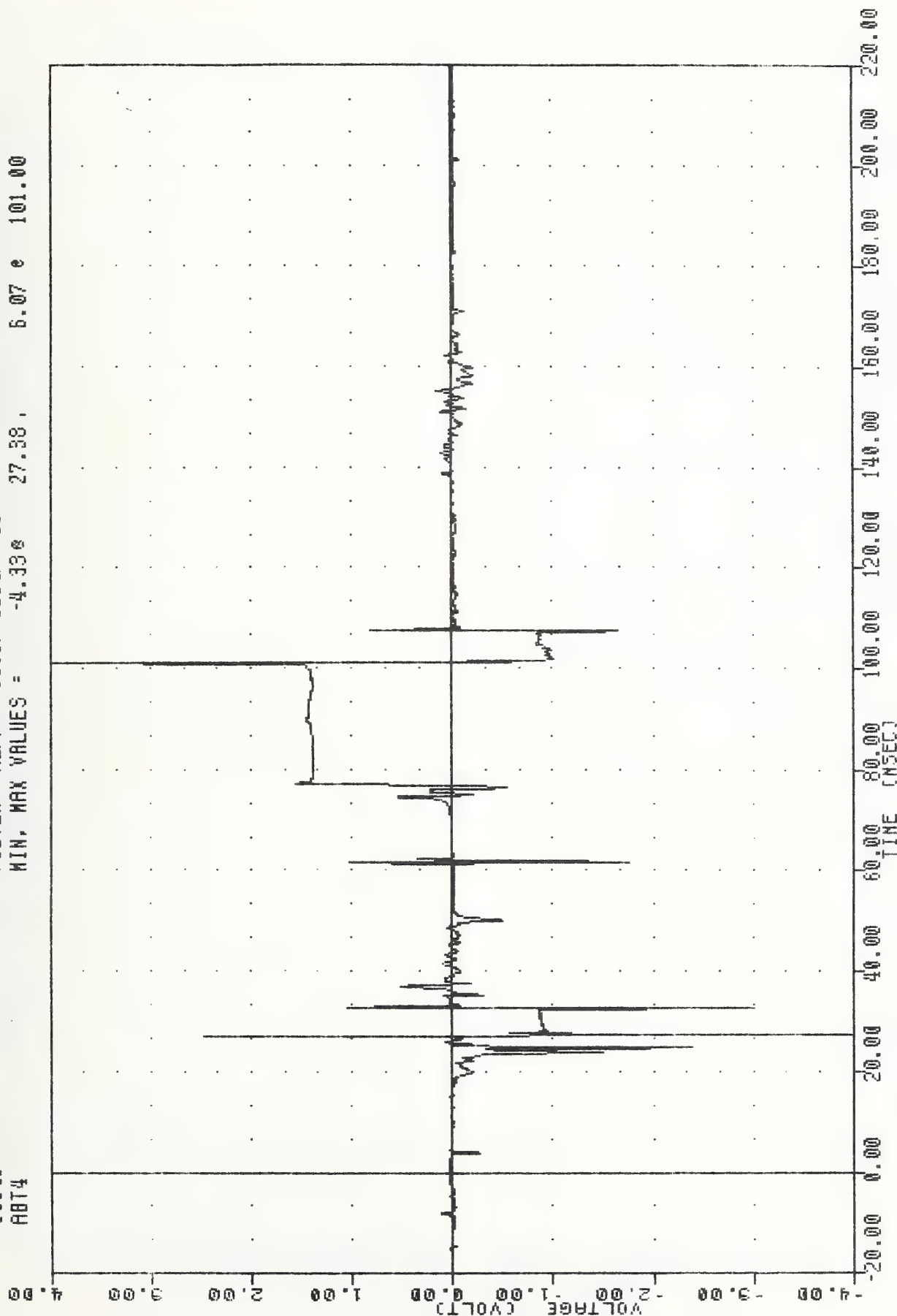
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 BREED B-PILLAR SENSOR

VRTC
BREED AIRBAG SLED PROGRAM
85148
ABT4

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -4.33e 27.38, 6.07 e 101.00



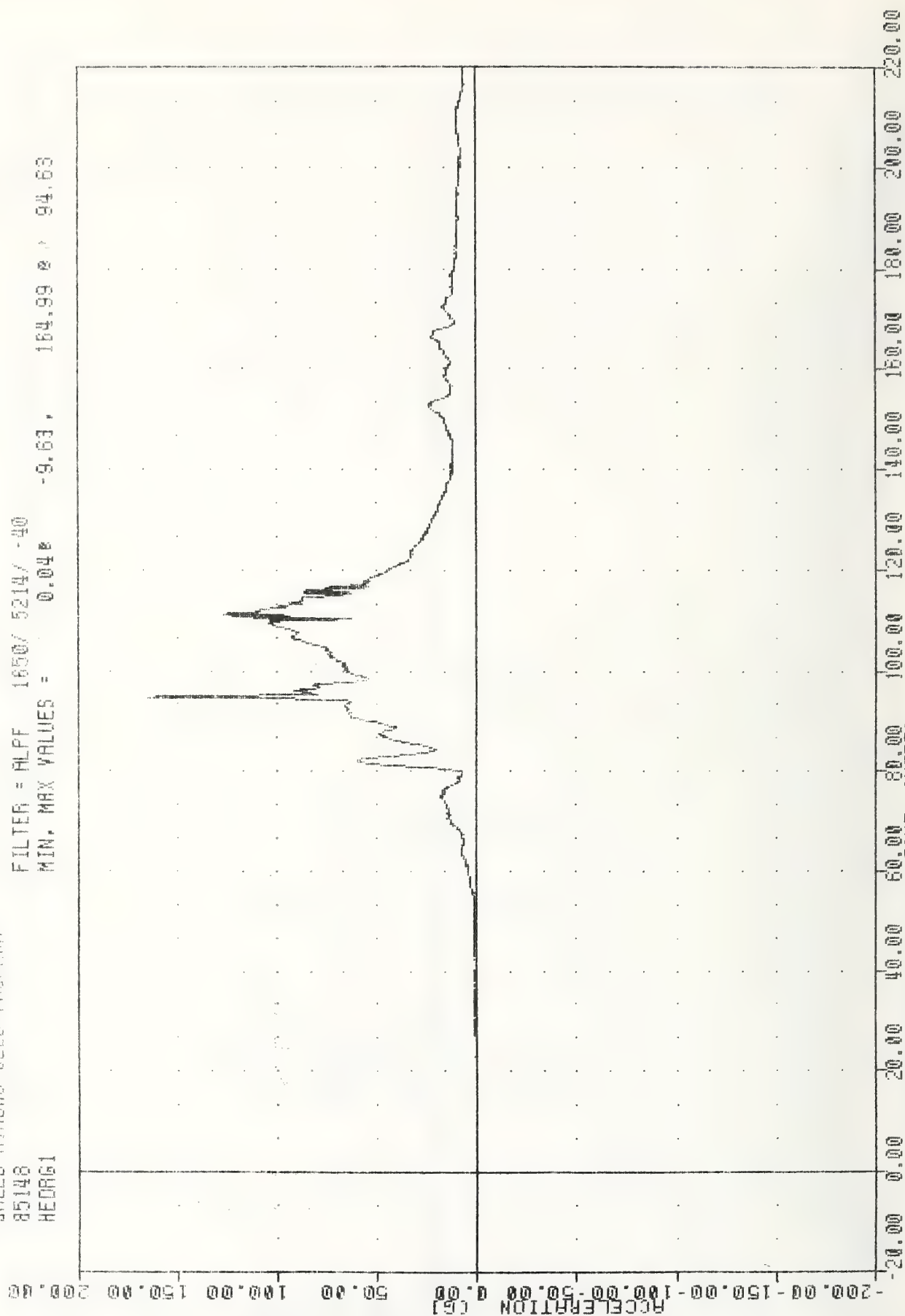
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
KNEE CONTACT

VRTC
BREED AIRBAG SLED PROGRAM
85148
HEOR61

PLOT DATE 30-MAY-85 17:59:44

FILTER = ALPF 1850/ 5214/ -40

MIN. MAX VALUES = 0.048 -9.63, 164.99 2 94.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

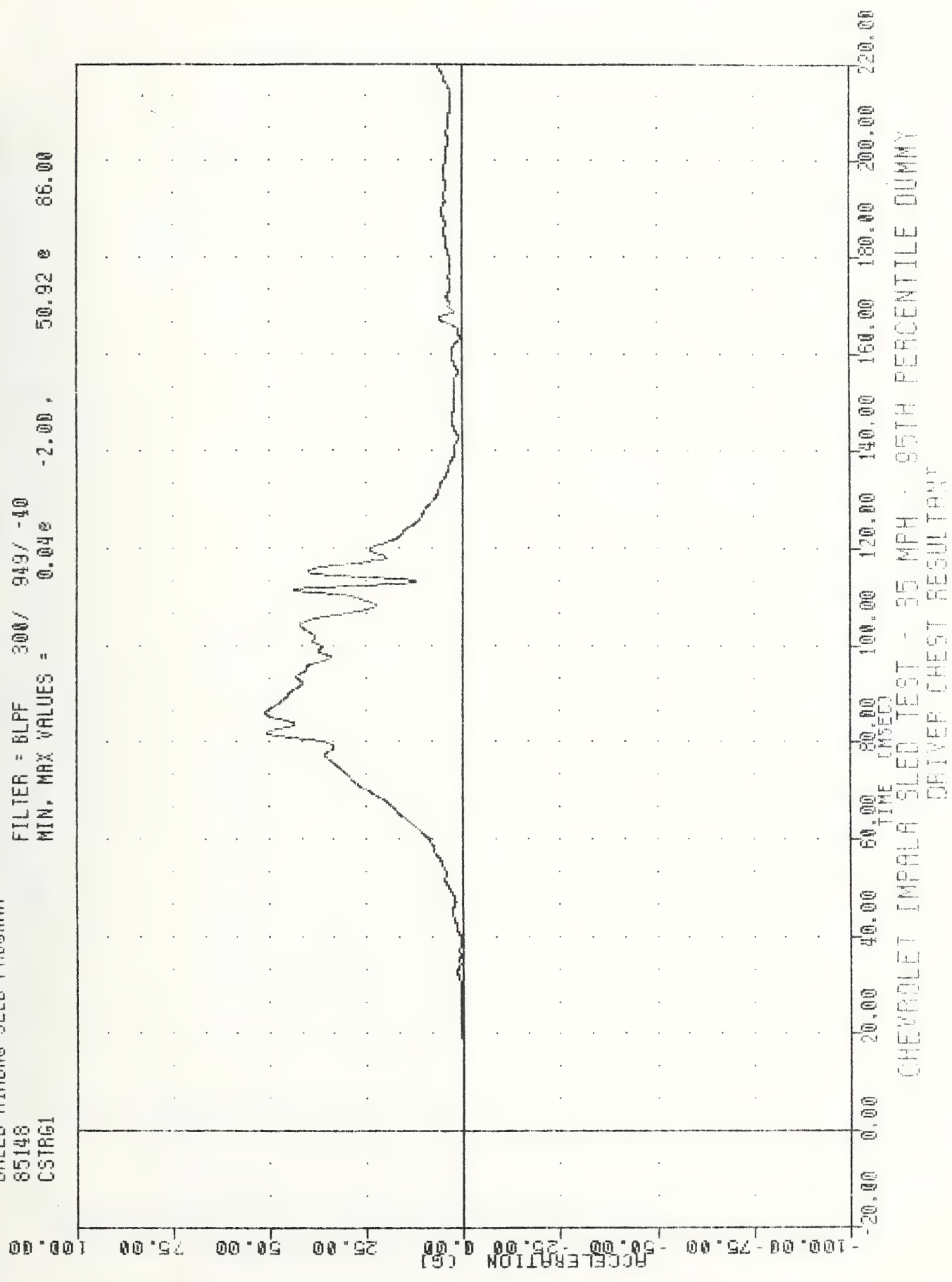
DRIVER HEAD RESULTANT

VRTC , RD384-4-10
 BASED AIRBAG SLED PROGRAM
 85148
 CSTRG1

PLOT DATE 30-MAY-85 15:59:44

FILTER = BLPF 300/ 949/ -10

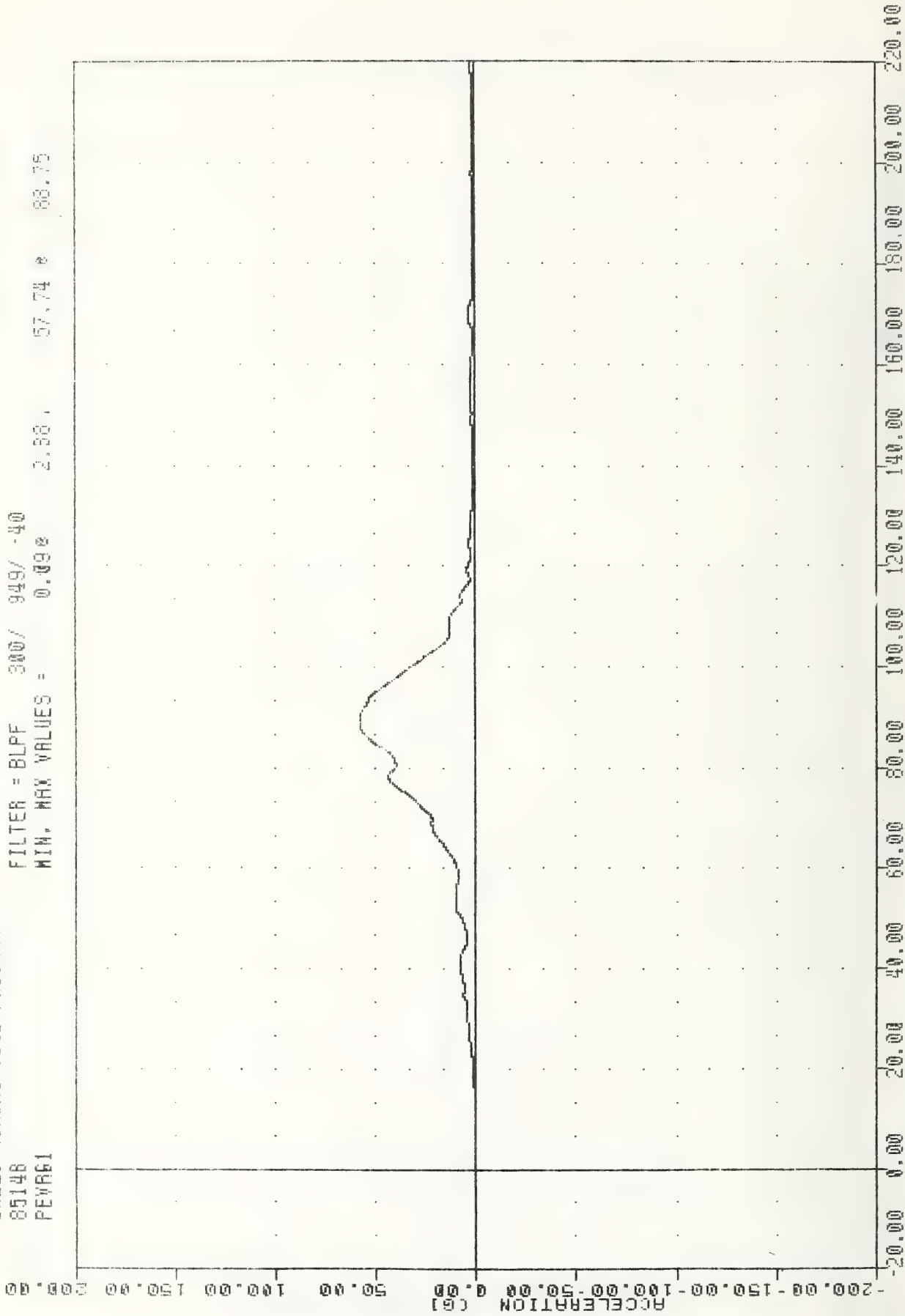
MIN. MAX VALUES = 0.04e -2.00 , 50.92 e 86.00



VRTC / RD384-4-40
 BHEO AIRBAG SLED PROGRAM
 85148
 PEVR61

PLOT DATE 20-MAY-85 10:53:44

FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = 0.000 2.30 57.74 88.75



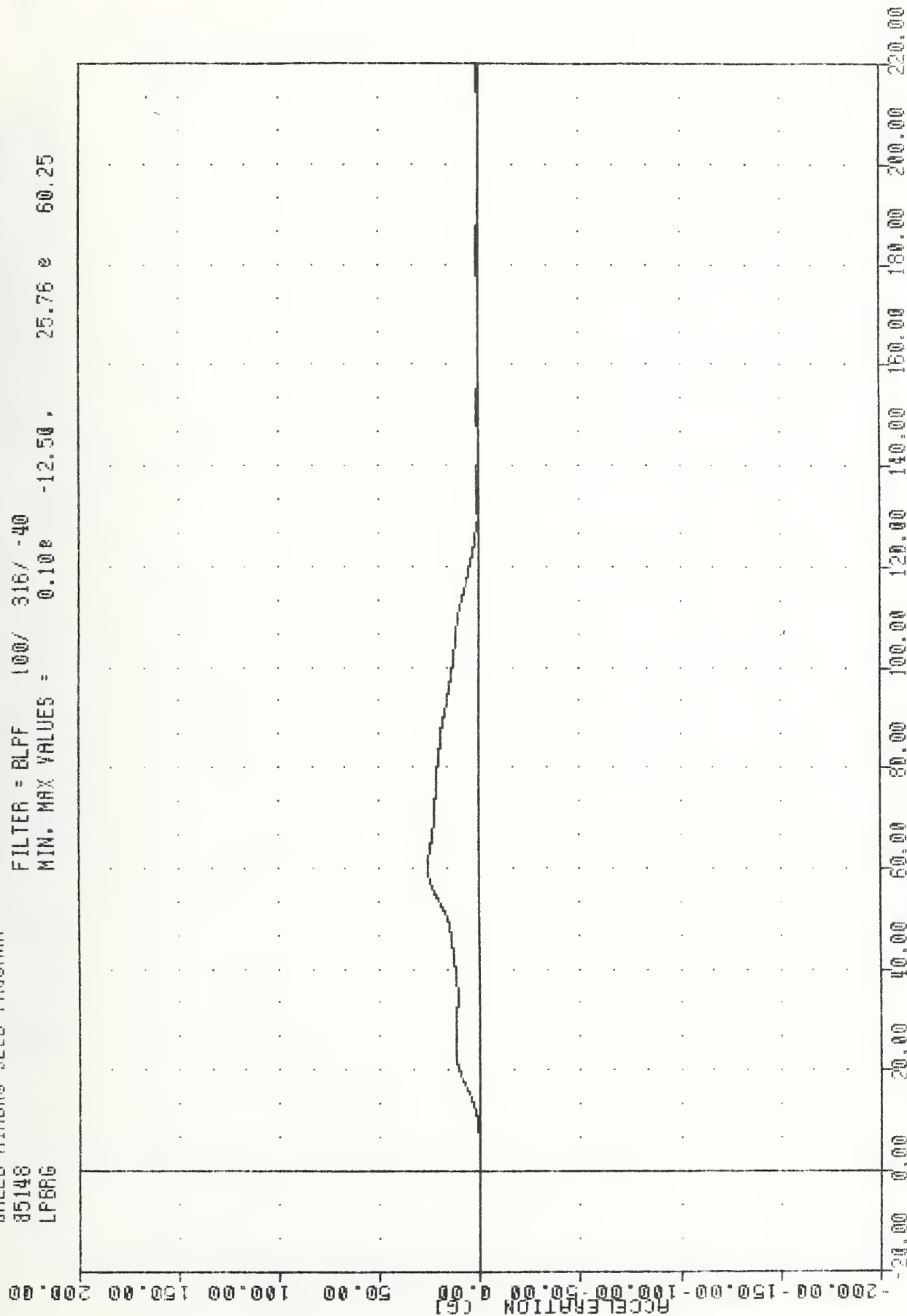
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS RESULTANT

VRTC , RD384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 LP8RG

PLOT DATE 30-MAY-85 15:59:44

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.10e -12.50, 25.76 e 60.25



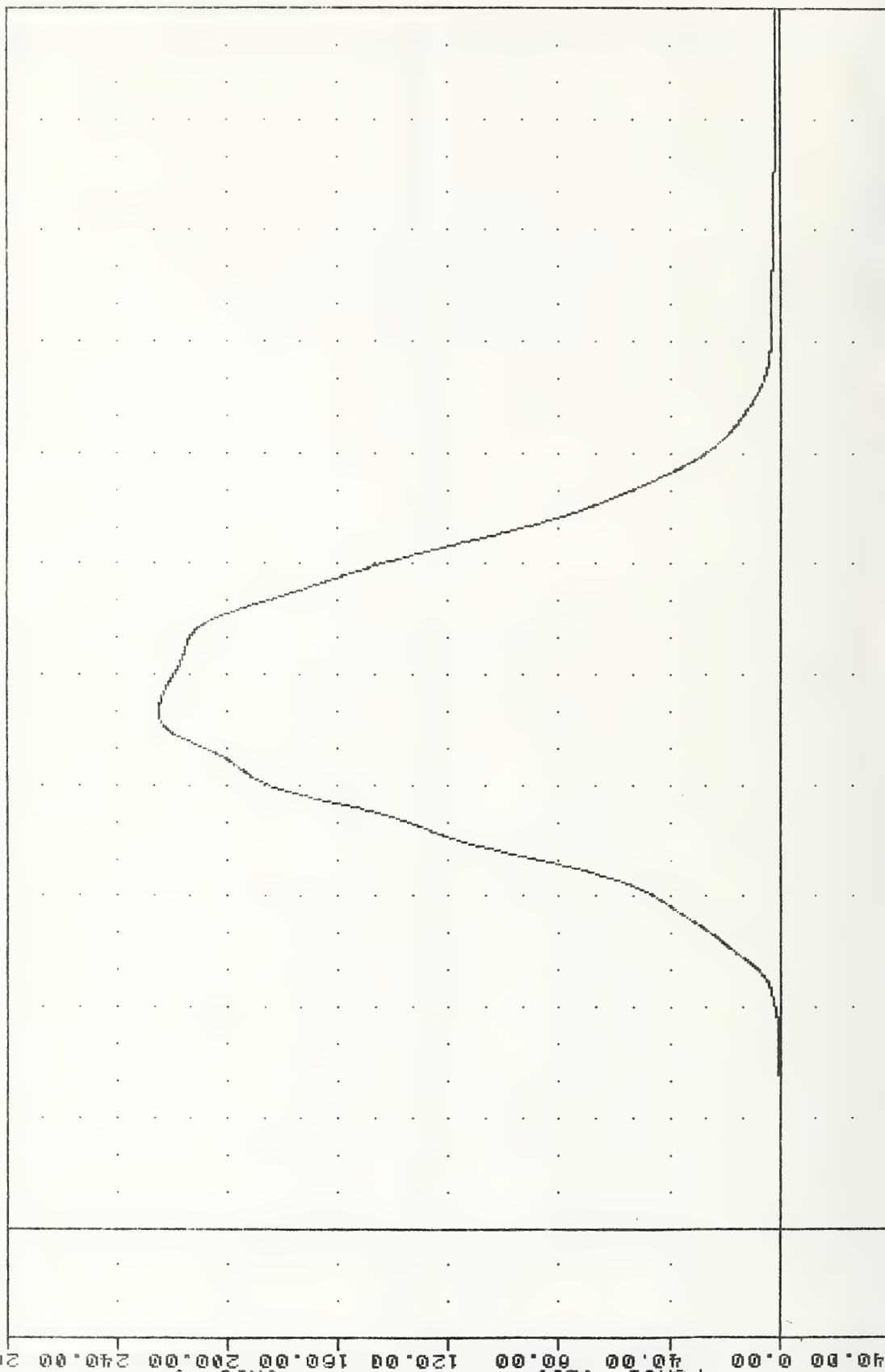
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 PILLAR LEFT B RESULTANT

VRTC
BREED AIRBAG SLED PROGRAM
85148
SHEF1

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 1W0/ -40
MIN. MAX VALUES = -0.458 -1.88 e 93.00

FORCE (LBS)
(X10³)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER SHOULDER BELT FORCE LBS

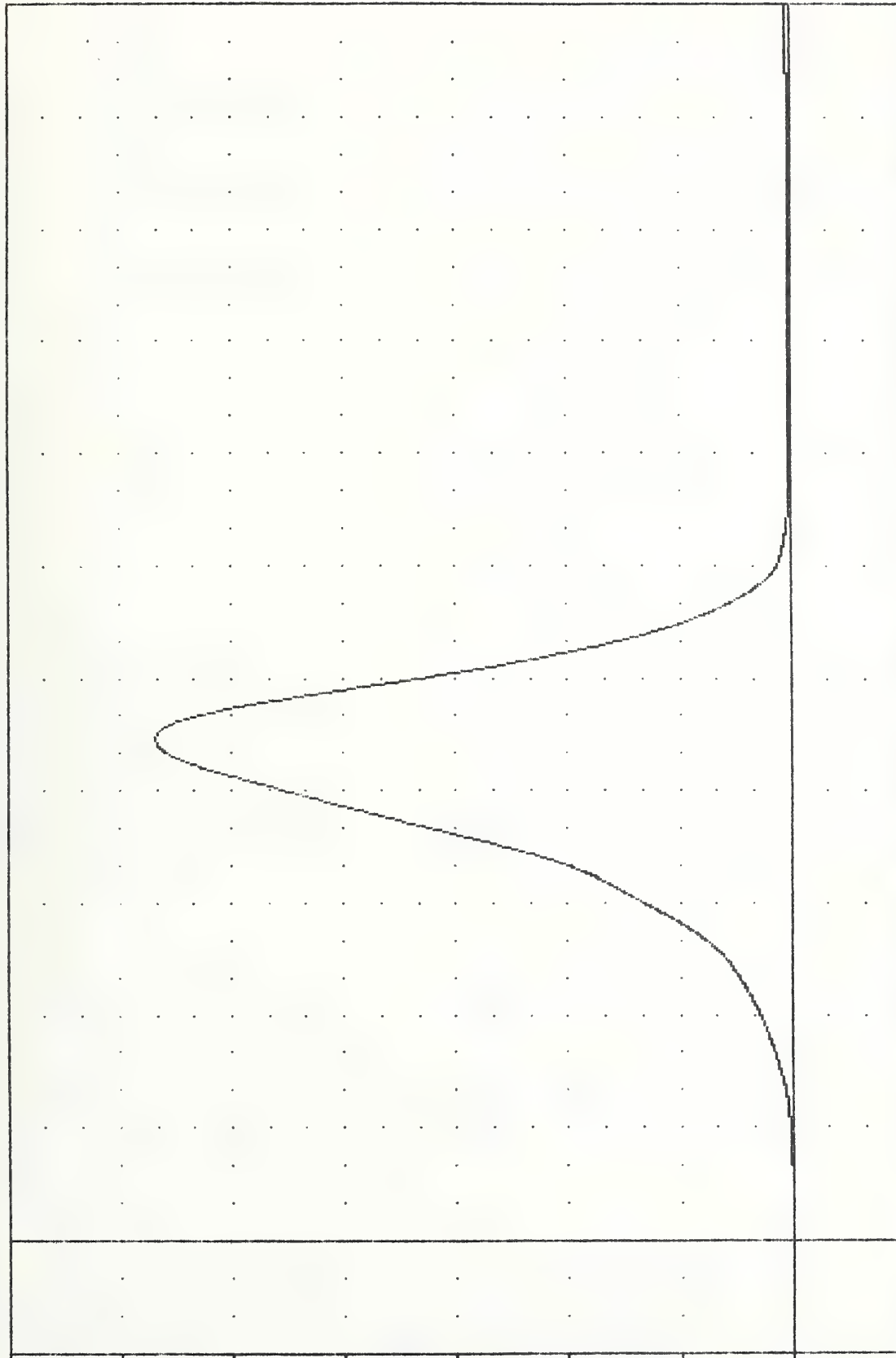
VRTC R0384-4-40
BREED AIRBAG SLED PROGRAM
85148
LB0F1

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.25e -16.75, 2268.81 e 89.25

FORCE (LB)
-40.00 0.00 40.00 80.00 120.00 160.00 200.00 240.00 280.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (msec)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER LAP BELT FORCE LBS

TRC448P. RAD: 1
VRTC RD384-4-41 BREED AIRBAG SLED PROGRAM 29-MAY-85 15:39
85149 30.00 mph

1	EVENT	Min value	Max value	Data Units	Filter
2	SLDXV	0.063 @ 160.625	1.604 @ -1.000 msec	volt	ALPF 1650/ 5214/ -40
3	SLDXV	-32.935 @ 120.625	0.130 @ -7.625 msec	mph	ALPF 100/ 316/ -40
4	SLDXG	-23.216 @ 58.500	0.594 @ 122.375 msec	g	ALPF 100/ 316/ -40
5	HEDXG1	-55.444 @ 64.750	5.375 @ 95.250 msec	g	ALPF 1650/ 5214/ -40
6	HEDYG1	-4.167 @ 60.000	6.796 @ 71.000 msec	g	ALPF 1650/ 5214/ -40
7	HEDZG1	-20.961 @ 93.375	12.281 @ 55.000 msec	g	ALPF 1650/ 5214/ -40
8	CSTXG1	-46.268 @ 61.750	1.400 @ 152.500 msec	g	BLPF 300/ 949/ -40
9	CSTYG1	-4.168 @ 102.000	5.350 @ 64.375 msec	g	BLPF 300/ 949/ -40
10	CSTZG1	-18.004 @ 95.375	1.910 @ 145.500 msec	g	BLPF 300/ 949/ -40
11	PEVXG1	-52.374 @ 68.375	3.297 @ 96.500 msec	g	BLPF 300/ 949/ -40
12	PEVYG1	-4.581 @ 81.375	11.729 @ 51.875 msec	g	BLPF 300/ 949/ -40
13	PEVZG1	-17.171 @ 75.750	2.067 @ 53.625 msec	g	BLPF 300/ 949/ -40
14	LFMF1	-346.211 @ 63.625	12.130 @ 43.750 msec	lb	BLPF 1000/ 3162/ -40
15	RFMF1	-229.746 @ 73.250	33.661 @ 52.625 msec	lb	BLPF 1000/ 3162/ -40
16	STHPG	-42.804 @ 102.875	12.156 @ 112.000 msec	g	BLPF 100/ 316/ -40
17	STHIG	-13.070 @ 75.875	11.426 @ 88.125 msec	g	BLPF 100/ 316/ -40
18	LPBVG	-23.406 @ 54.500	35.523 @ 81.000 msec	g	BLPF 100/ 316/ -40
19	LPBVG	-1.780 @ 61.375	0.962 @ 124.000 msec	g	BLPF 100/ 316/ -40
20	LPBVG	-1.302 @ 35.125	1.614 @ 35.250 msec	g	BLPF 100/ 316/ -40
21	LBOP1	-1.823 @ 173.500	2.052 @ 30.125 msec	g	BLPF 100/ 316/ -40
22	ABTP	-2.805 @ 44.000	682.116 @ 72.000 msec	psig	ALPF 1650/ 5214/ -40
23	ABT1	-10.000 @ 102.750	31.921 @ 31.000 msec	volt	ALPF 1650/ 5214/ -40
24	ABT2	-2.152 @ 54.125	0.004 @ -12.500 msec	volt	ALPF 1650/ 5214/ -40
25	ABT3	-0.001 @ -20.000	0.916 @ 100.250 msec	volt	ALPF 1650/ 5214/ -40
26	ABT4	-0.112 @ 158.500	2.330 @ 102.375 msec	volt	ALPF 1650/ 5214/ -40
			2.185 @ 54.000 msec		ALPF 1650/ 5214/ -40

TRC448IP. RAD: 1
VRTC RD384-4-41 BREED AIRBAG SLED PROGRAM 29-MAY-85 15:39
85149 30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDXV1	-31.404 @ 169.250	-0.069 @ 27.875 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-54.300 @ 220.000	-0.038 @ -20.000 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-31.564 @ 204.875	0.139 @ -8.125 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-54.826 @ 220.000	0.139 @ 30.625 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-30.094 @ 141.875	0.060 @ -0.250 msec	mph	BLPF 300/ 949/ -40
6	PEVXD1	-52.740 @ 220.000	0.039 @ 17.750 msec	in	BLPF 300/ 949/ -40
7	SLDXV1	-32.558 @ 116.250	0.001 @ -16.625 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-62.178 @ 220.000	0.000 @ -14.750 msec	in	BLPF 300/ 949/ -40
9	STHPV	-30.196 @ 106.000	0.326 @ -20.000 msec	mph	BLPF 300/ 949/ -40
10	STHPD	-52.452 @ 220.000	0.269 @ 11.250 msec	in	BLPF 300/ 949/ -40
11	LPBXV	-31.652 @ 117.375	0.144 @ -14.250 msec	mph	BLPF 300/ 949/ -40
12	LPBXD	-59.233 @ 220.000	0.100 @ 8.000 msec	in	BLPF 300/ 949/ -40

TRC448RP. RAD: 1
VRTC RD384-4-41 BREED AIRBAG SLED PROGRAM 29-MAY-85 15:39
85149 30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.041 @ -14.875	55.842 @ 64.750 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.061 @ 0.125	46.634 @ 61.875 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.083 @ 14.875	54.375 @ 68.250 msec	g	BLPF 300/ 949/ -40
4	STHRG	0.079 @ -11.500	47.422 @ 81.250 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.068 @ -20.000	23.406 @ 61.375 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC448RP.RAD:1
VRTC RD384-4-41 BREED AIRBAG SLED PROGRAM
85149 30.00 mph

* * * HIC computation for HEDRG1 29-MAY-85 15:39
Using time range = 0.000 to 109.250 msec Peak accel = 55.84 @ 64.750
HIC = 228.10 Interval from 48.250 [547] to 80.625 [806]
HIC = 167.83 Interval from 56.000 [609] to 71.000 [729]

R SYSP:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC448RP

File TRC448RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-41 BREED AIRBAG SLED PROGRAM
HEDRG1 CSTRG1 PEVRG1 STHRG1 LPERG

Enter channel name -> CSTRG1

[SLED,BREED]TRC448RP.RAD:1 VRTC RD384-4-41
BREED AIRBAG SLED PROGRAM 30.0 mph 85149 29-MAY-85 15:43:41
Deltax: 0.125

3 MS CLIP PEAK: 45.19722

Please run LSTRAD on this channel for the full time
and give it to the Project manager to double-check peak

Enter channel name -> ^Z

Enter input filespec -> ^Z
\$

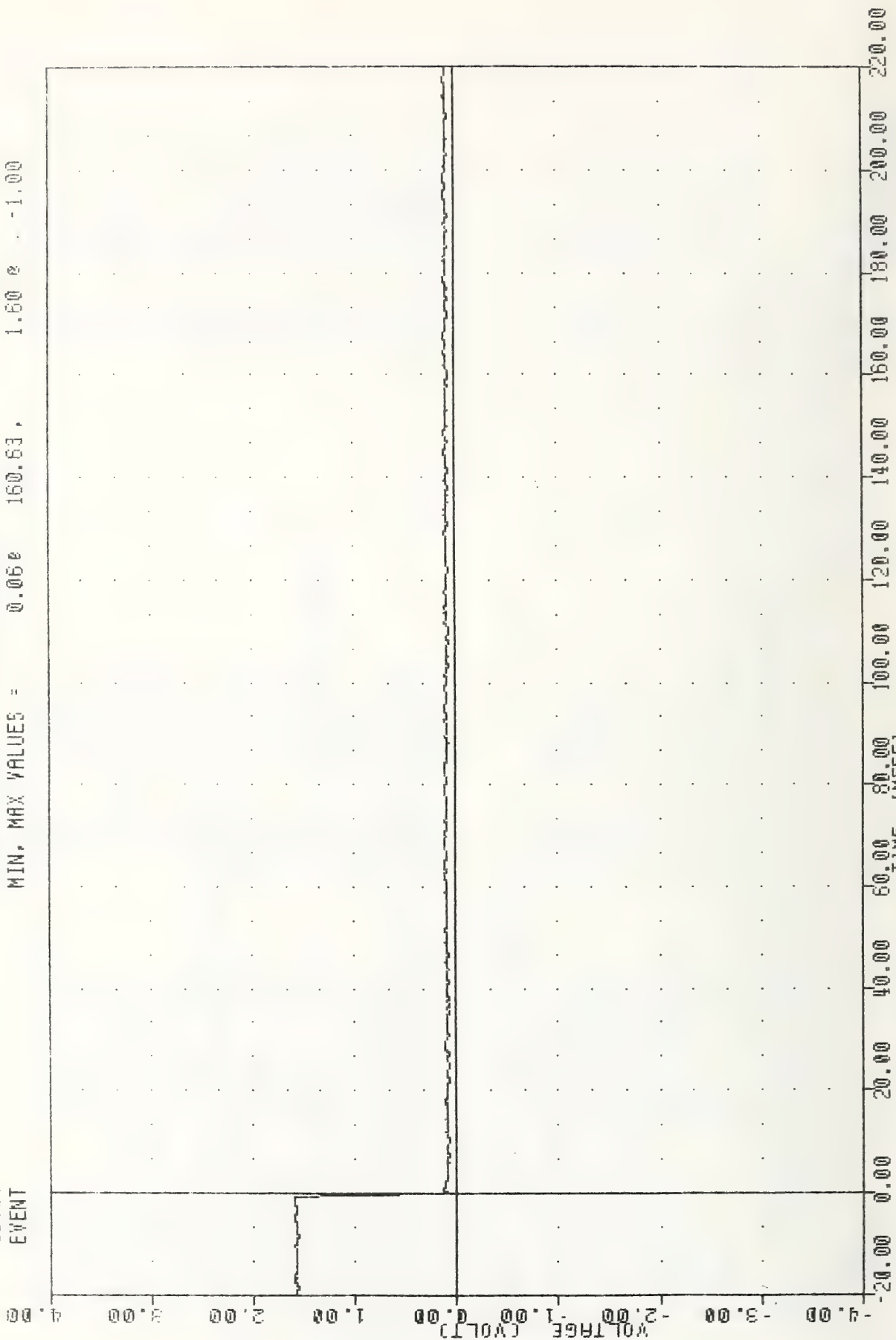
VRIC R0384-4-41
BREED AIRBAG SLED PROGRAM

PLOT DATE 30 MAY 85 04:30:00

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.06e 160.63, 1.60e -1.00

85149
EVENT



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
EVENT

WRIC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
HEDXG1

PLOT DATE 30-MAY-85 09:13:25

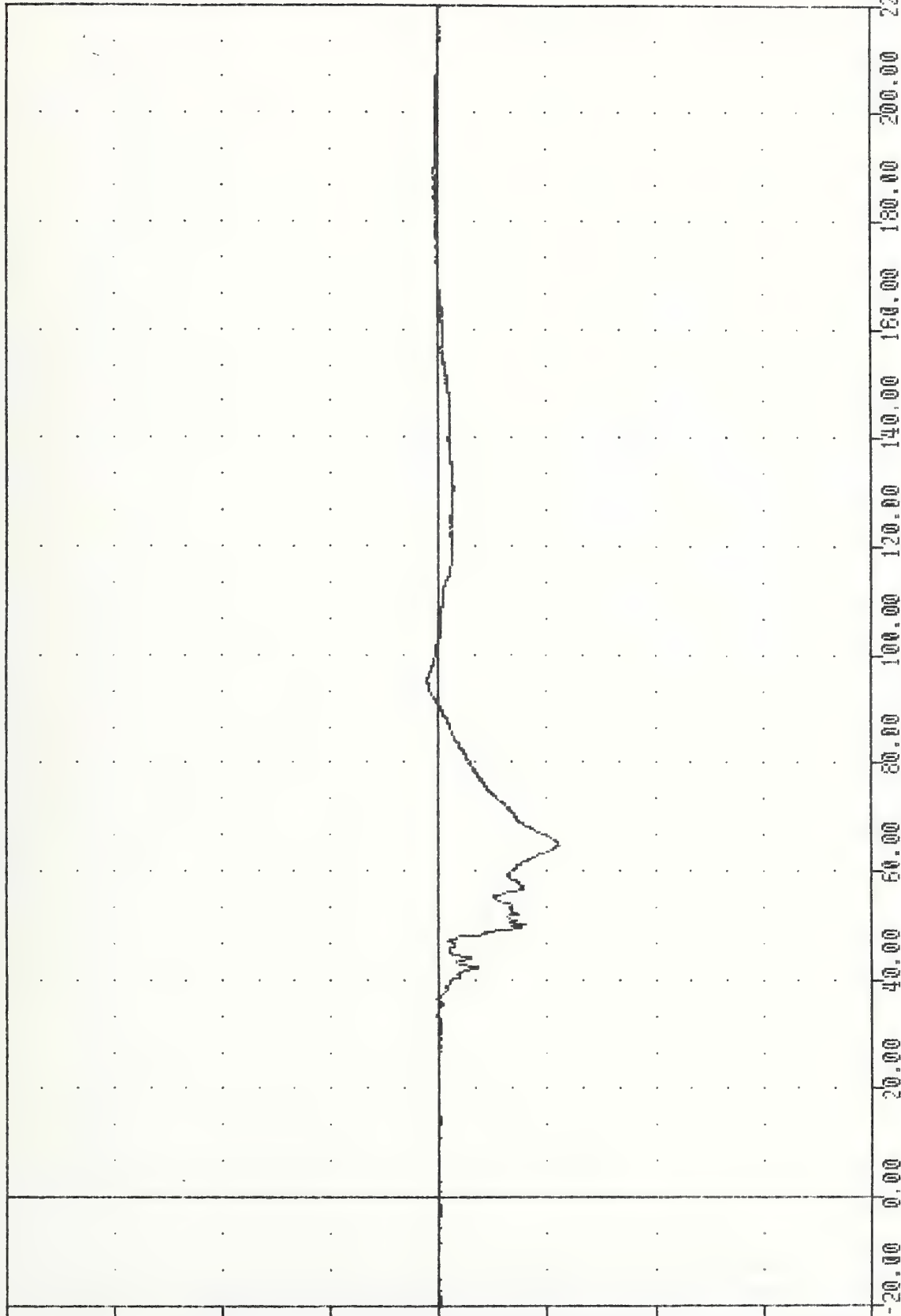
FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -55.440

5.38 0

95.25

ACCELERATION (G)



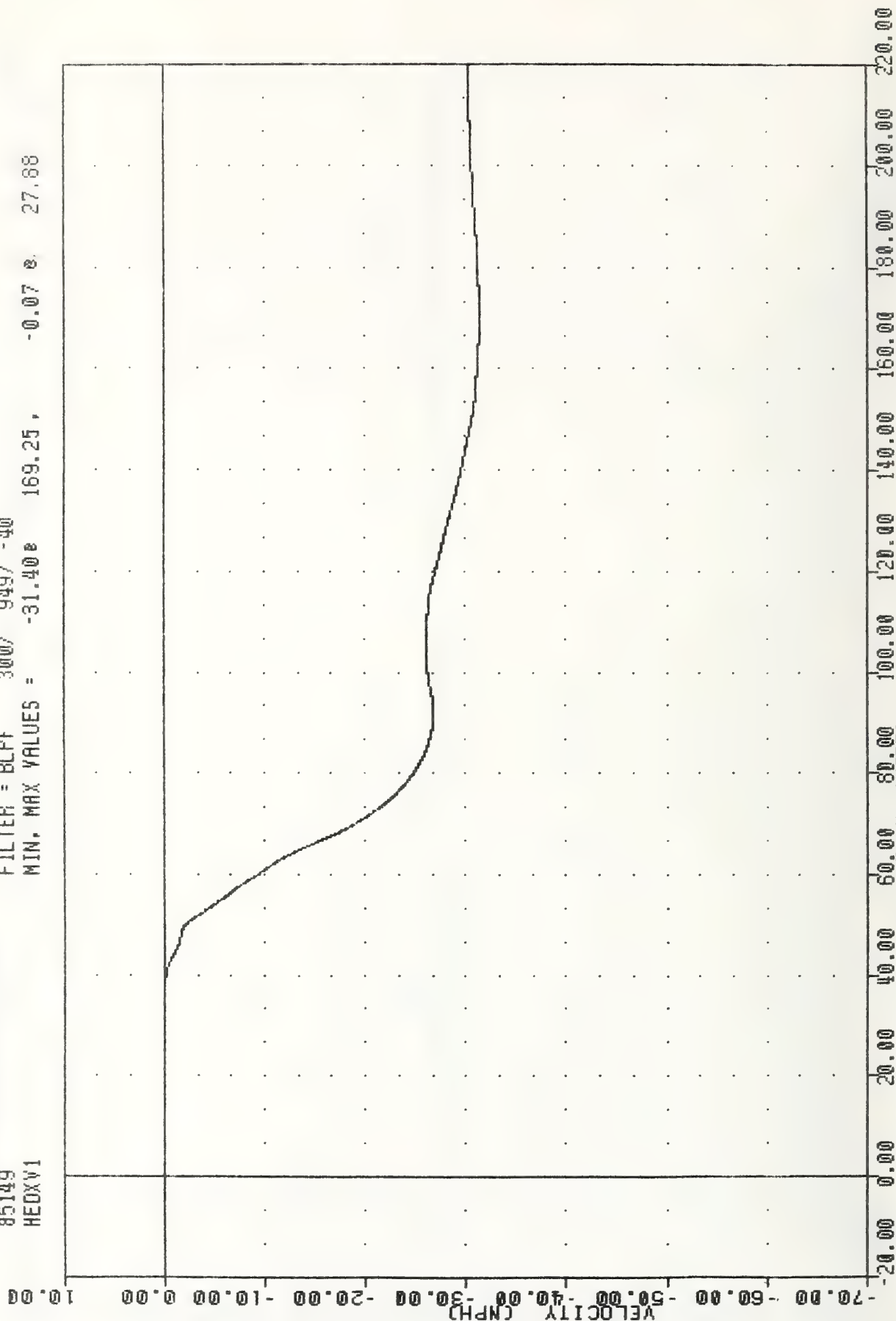
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC , RD324-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 HEDXV1

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -31.40e 169.25, -0.07 s 27.88



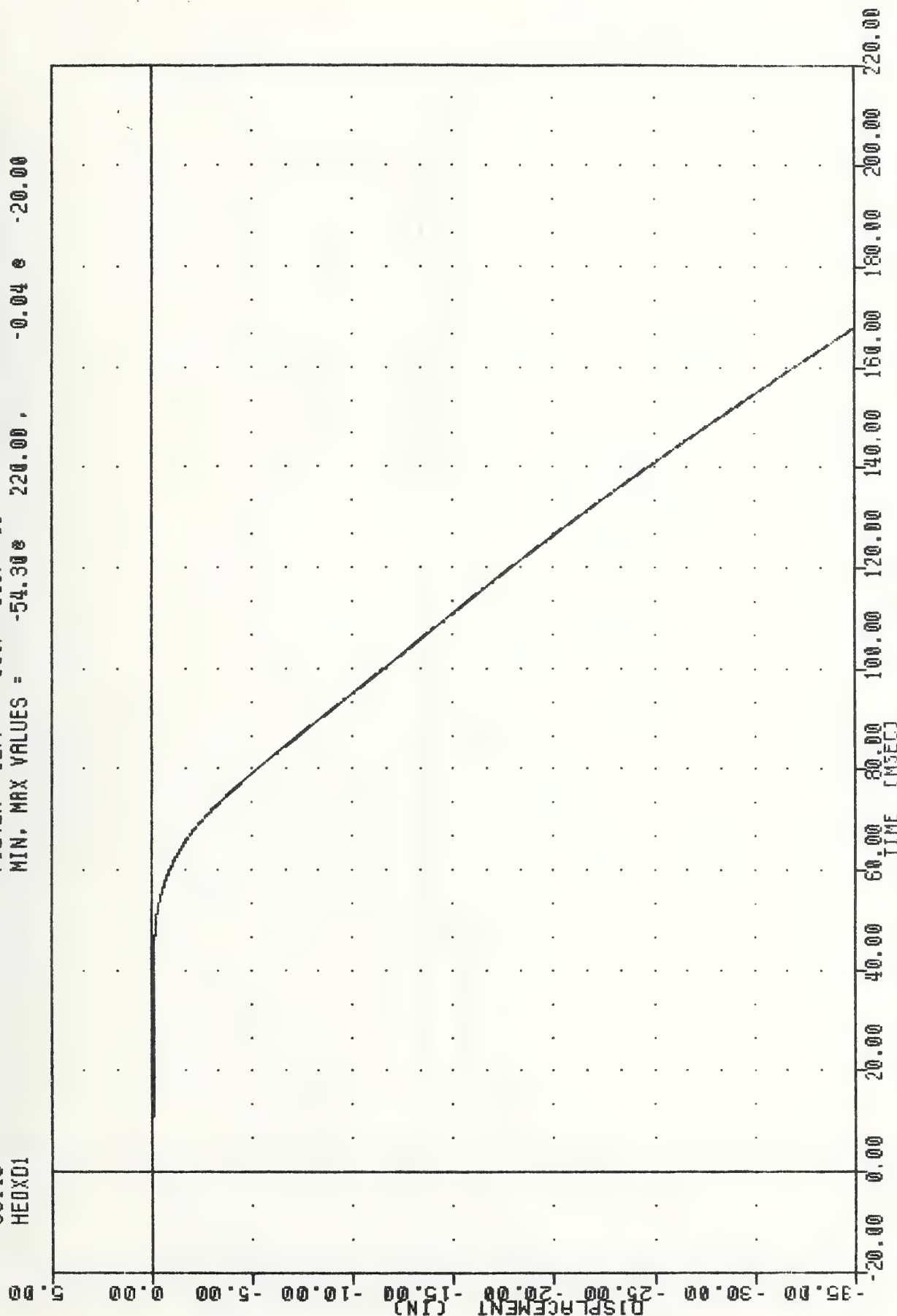
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DELTA V USING HEDXG1

VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
HEDXD1

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -54.30e 220.00 , -0.04 e -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY

DELTA X USING HEDXV1

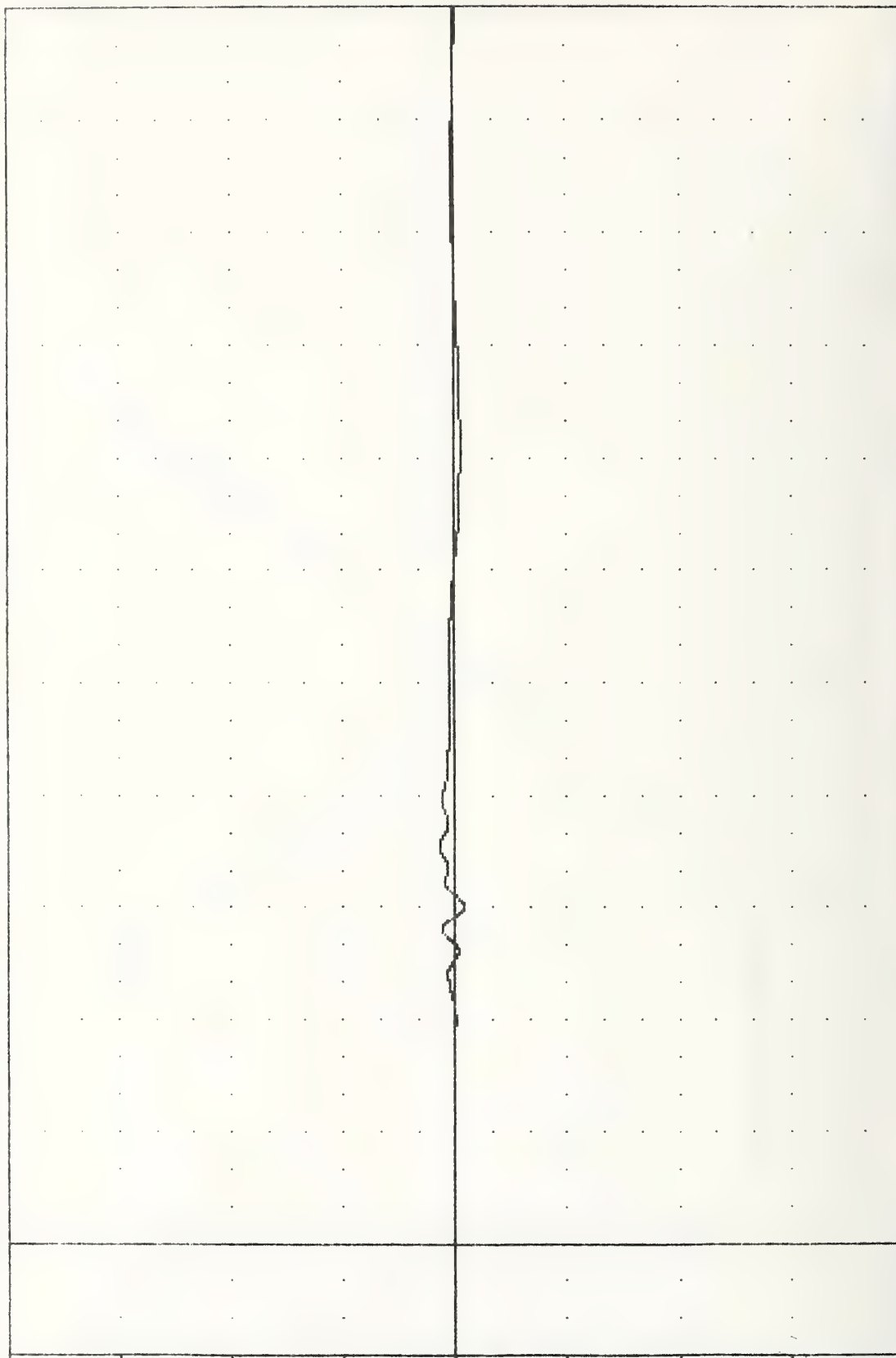
VATIC , R0384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 HEDY61

PLOT DATE 30 MAY 85 09:13:25

FILTER = ALPF 1650 / 5214 / -40

MIN, MAX VALUES = -4.17% 60.00, 6.80 * 71.00

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

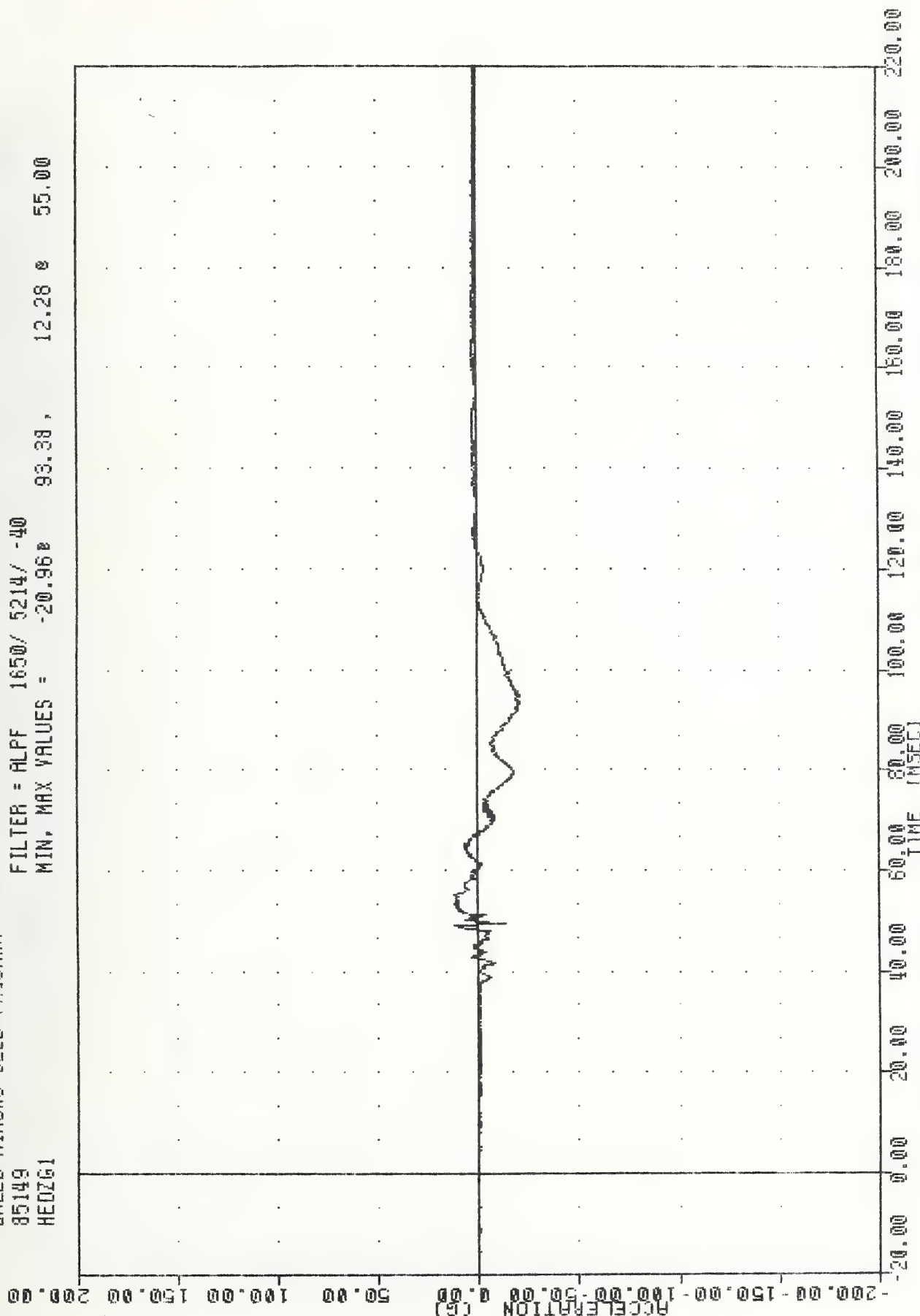
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
HEADZG1

PLOT DATE 30-MAY-85 09:13:25

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -20.96 93.38 , 12.28 55.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

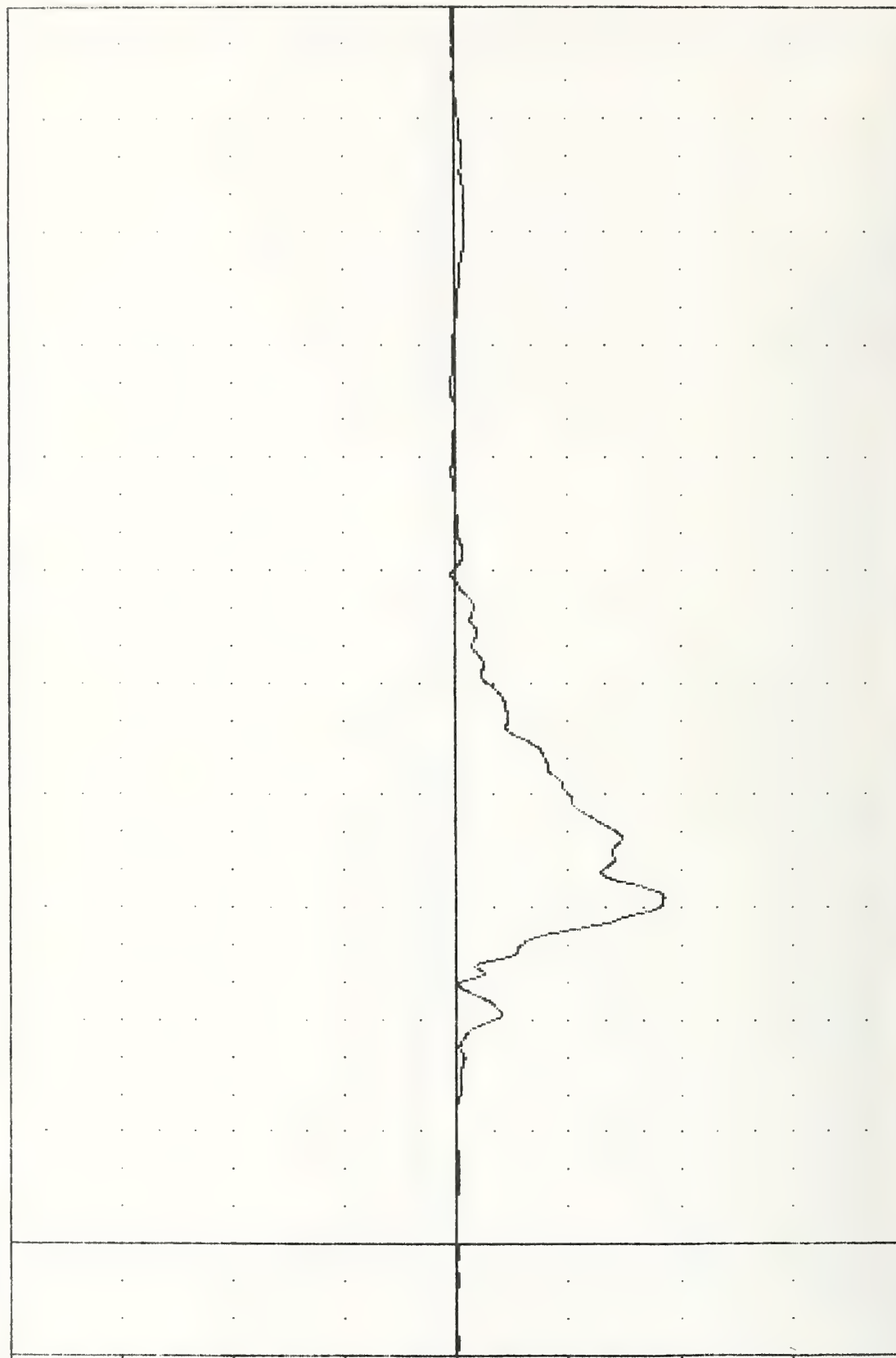
VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
CSXG1

PLOT DATE 30-MAY-85 09:13:25

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -46.27% 61.75, 1.40% 152.50

ACCELERATION (G)



TIME (msec)

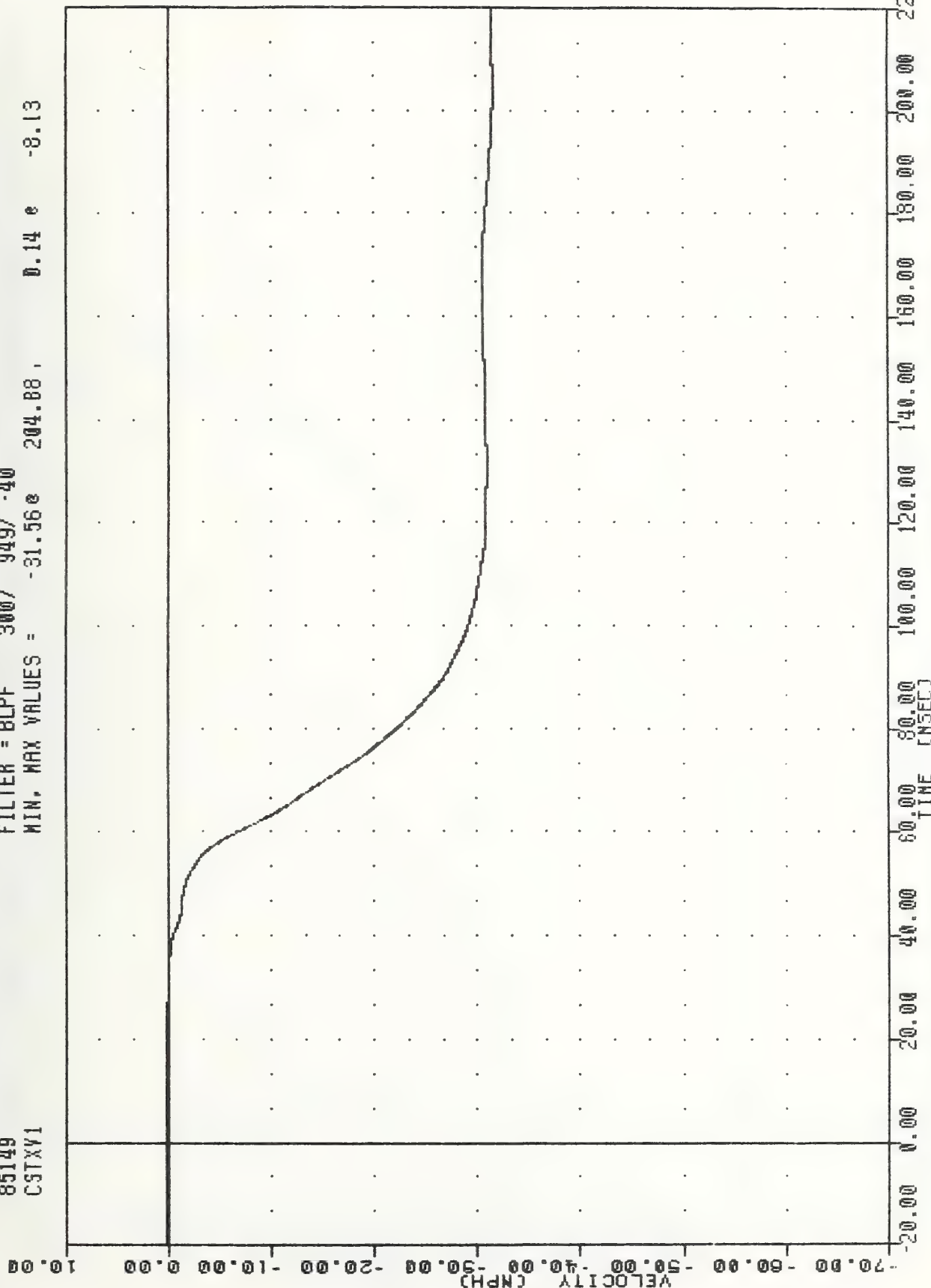
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRAC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
CSTXV1

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -31.56e 204.88 , 0.14 e -8.13



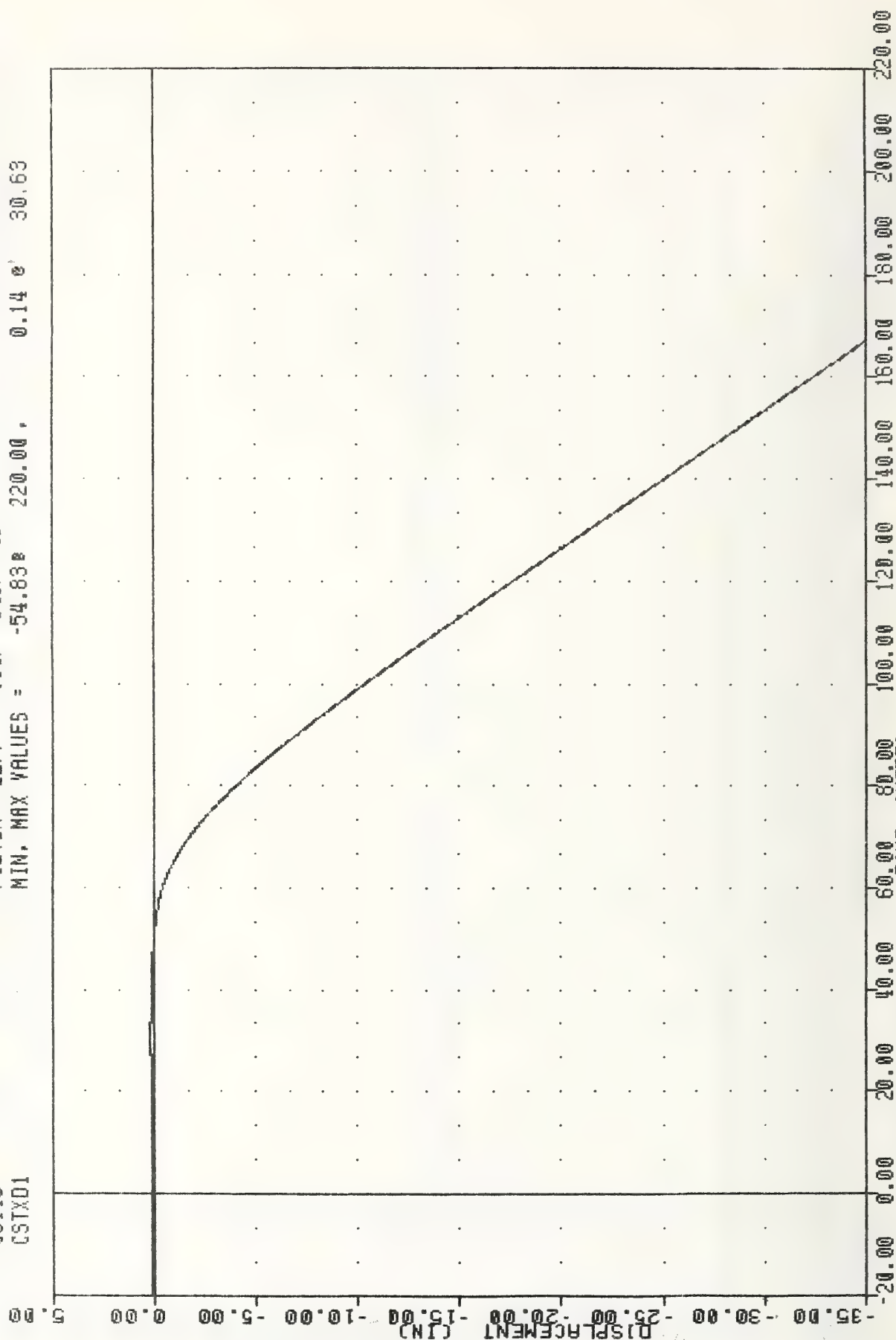
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V USING CSTXG1

VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
CSTXD1

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -54.83 220.00 0.14 e' 30.63



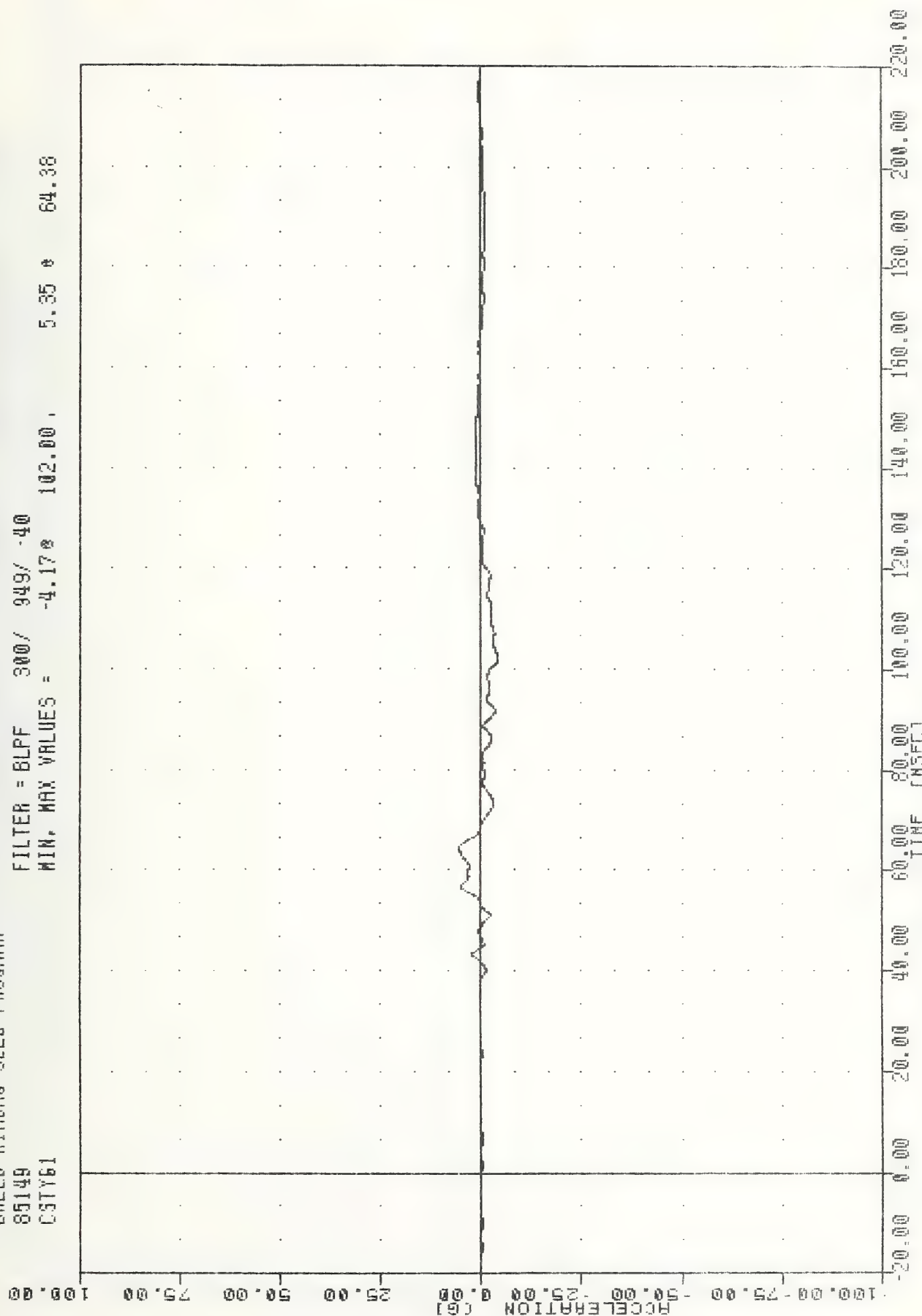
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA X USING CSTXV1

VRTC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 CSTY61

PLOT DATE 30-MAY-85 09:13:25

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -4.17e 102.00, 5.35 e 64.38



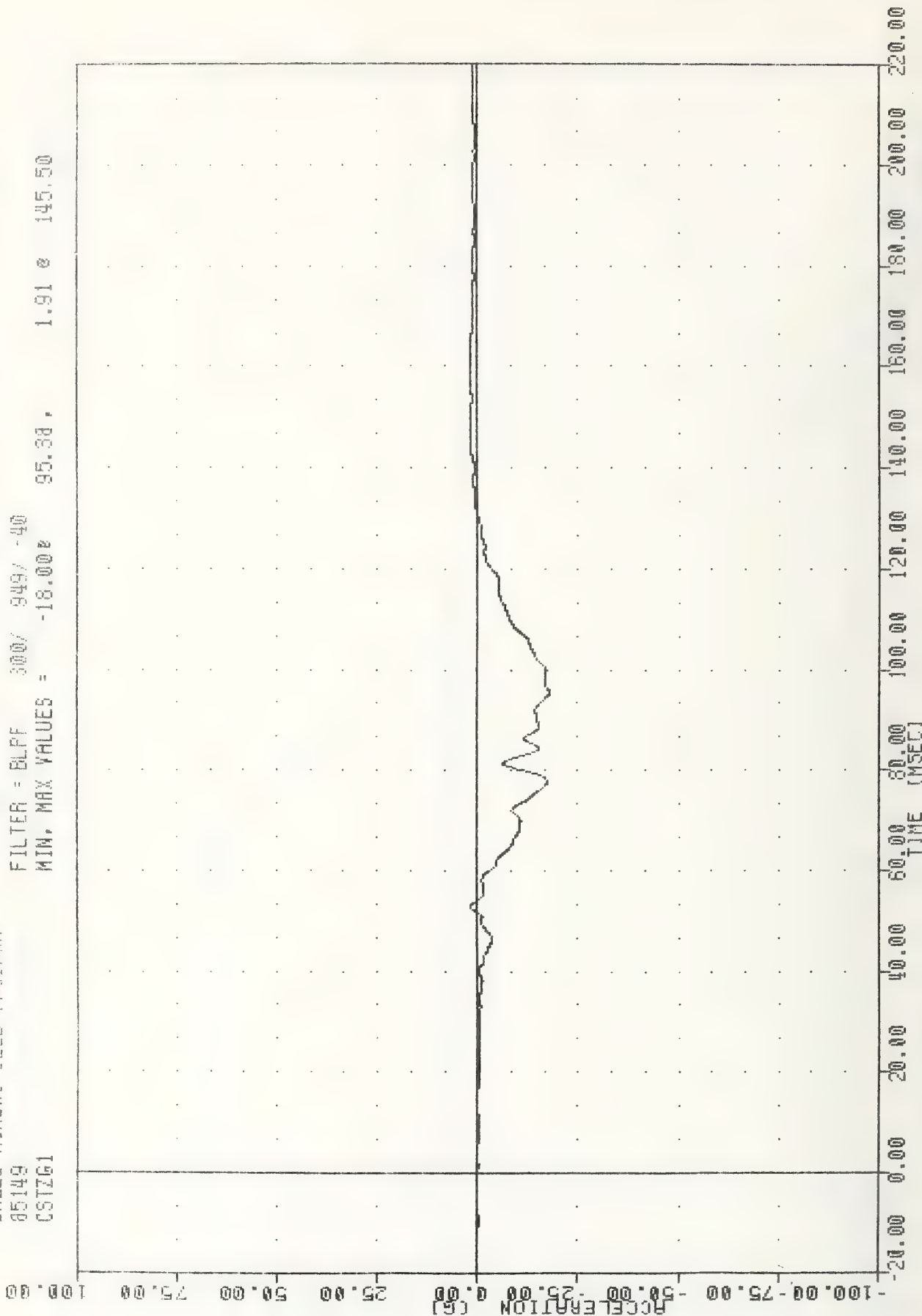
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

VRTC
BRED AIRBAG SLED PROGRAM
85149
CSTIG1

PLT DATE 30-MAY-85 09:10:05

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -18.000 95.38, 1.91 @ 145.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

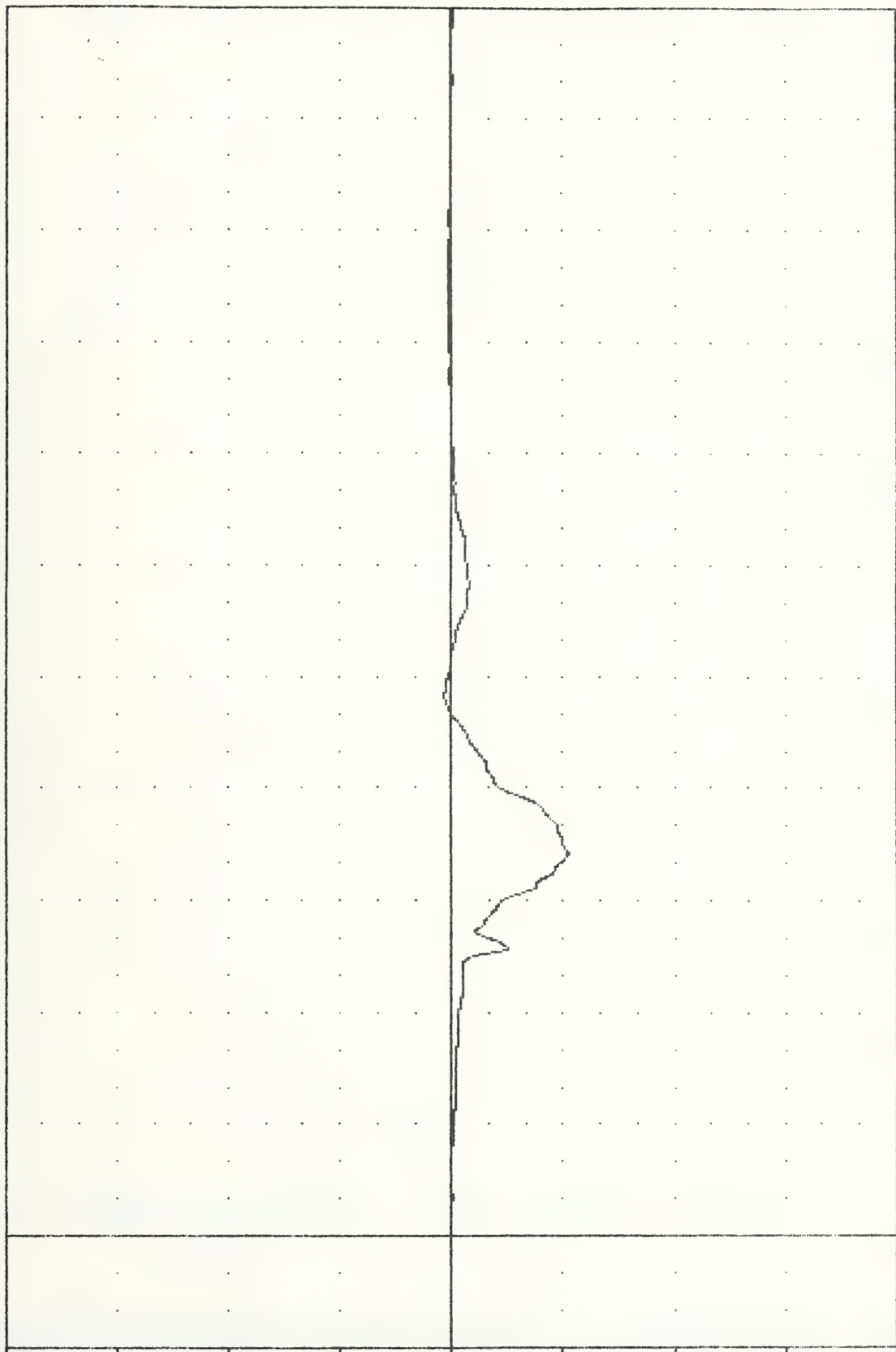
VRIC , RD384-4-41
BRAED AIRBAG SLED PROGRAM
85149
PEVX61

PLOT DATE 30-MAY-85 09:13:25

FILTER = 8LPF 300/ 949/ -40

MIN. MAX VALUES = -52.37s 68.38. 3.30 e 96.50

ACCELERATION (G)



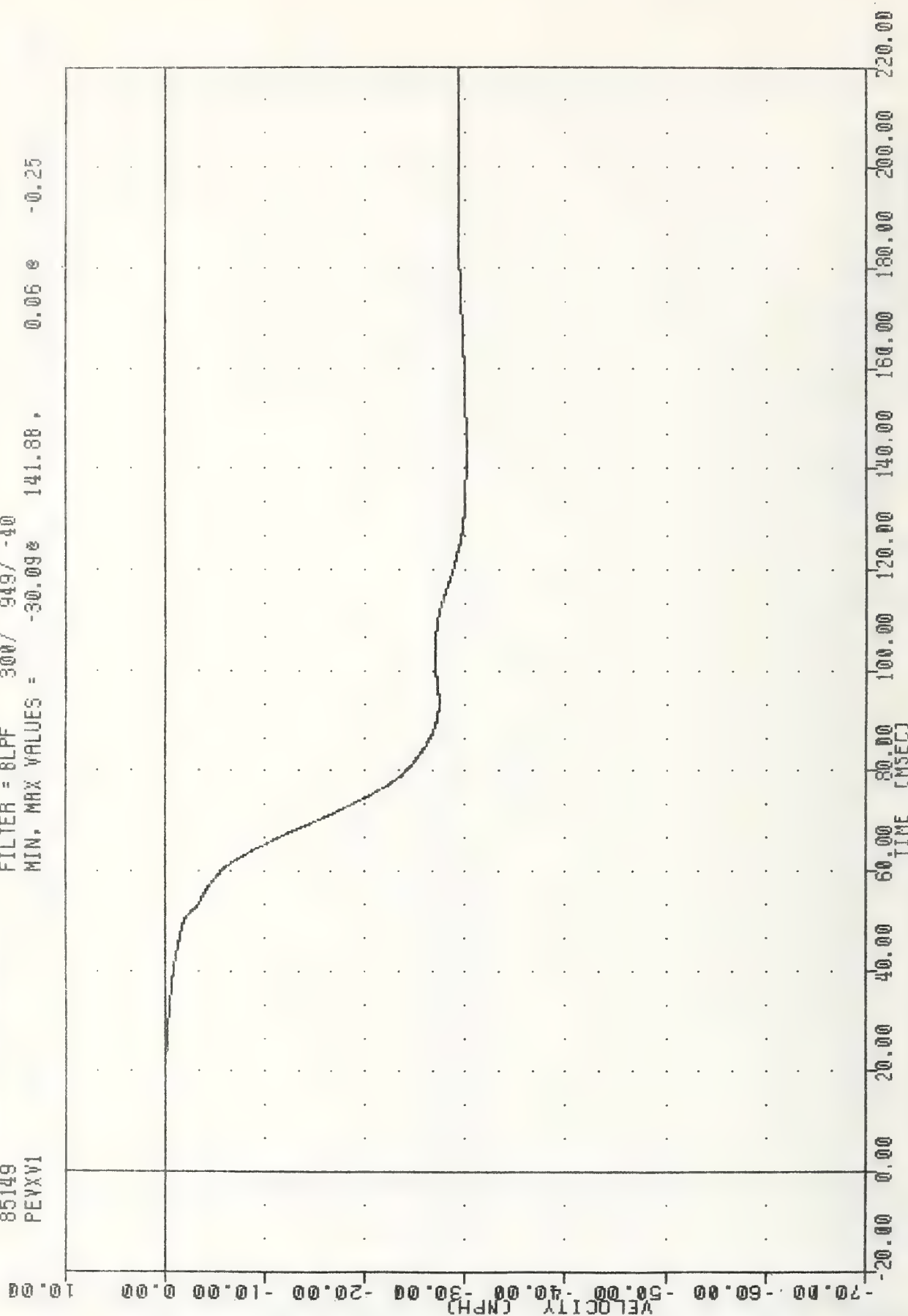
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRTC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 PEVXV1

PLOT DATE 19-JUN-85 14:37:11

FILTER = 8LPF 300/ 949/ -40

MIN. MAX VALUES = -30.09 141.88 0.06 0.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY

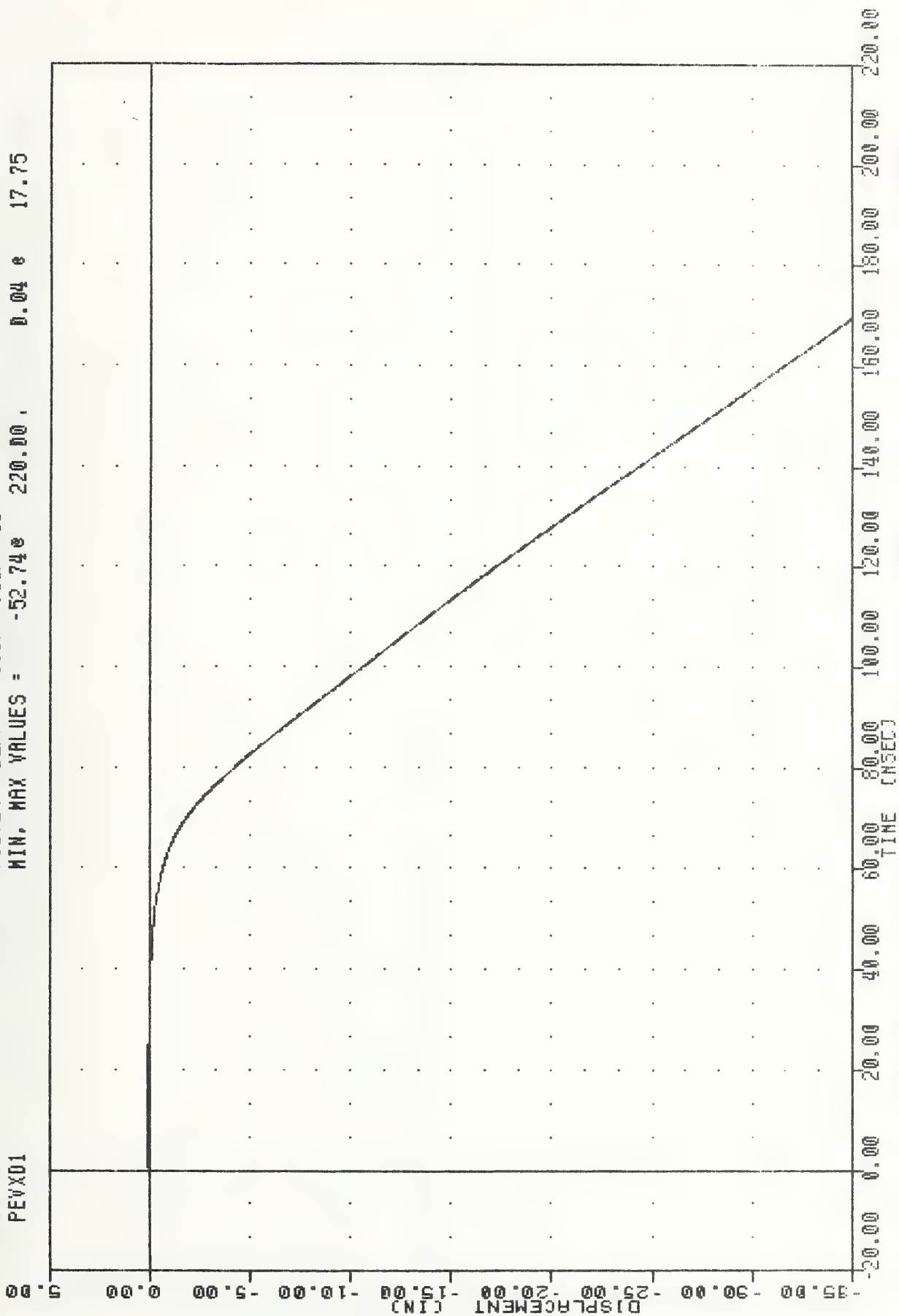
DELTA V USING PEVXG1

VATC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
PEVX01

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -52.74e 220.00 , 0.04 e 17.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA X USING PEVXV1

VRTC , R0001-A-41
 BREED AIRBAG SLED PROGRAM
 85149
 PEVY61

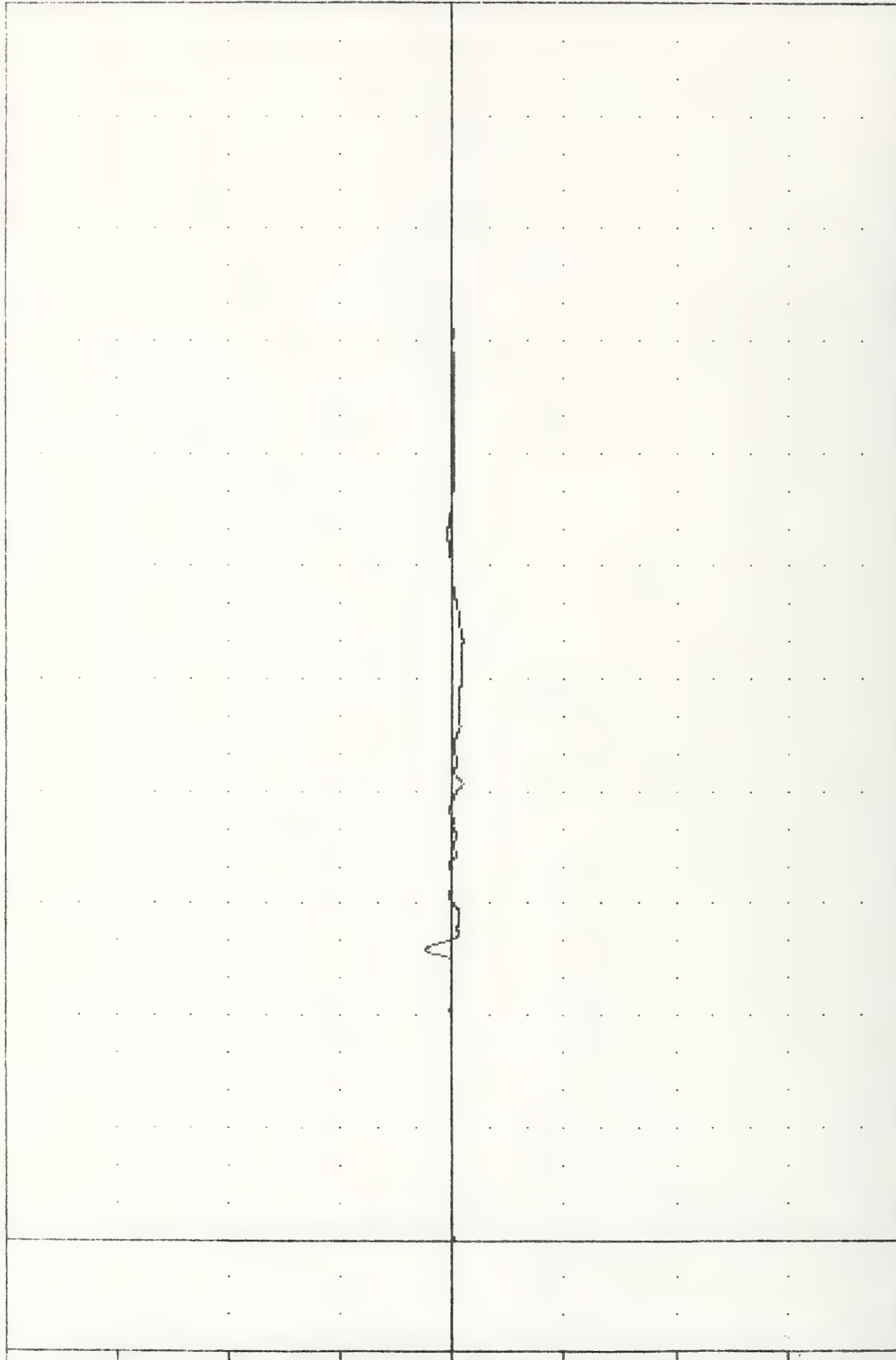
PLOT DATE 30-MAY-87 09:15:15

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -4.58e 81.38 11.73 e 51.88

-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 90 MPH - 5TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

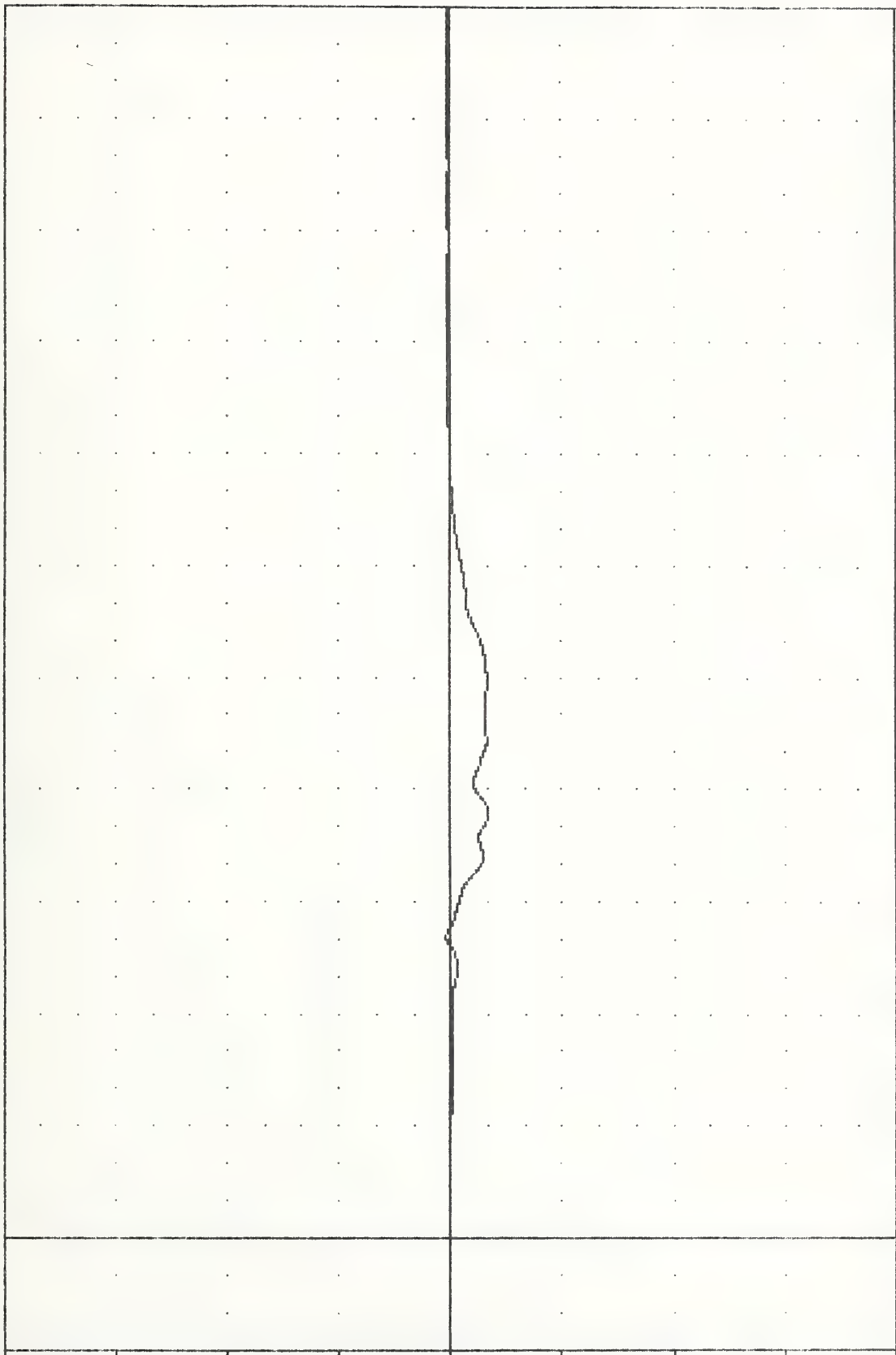
VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
PEVZG1

PLOT DATE 30-MAY-85 09:13:25

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -17.17% 75.75, 2.07% 53.63

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION (G)

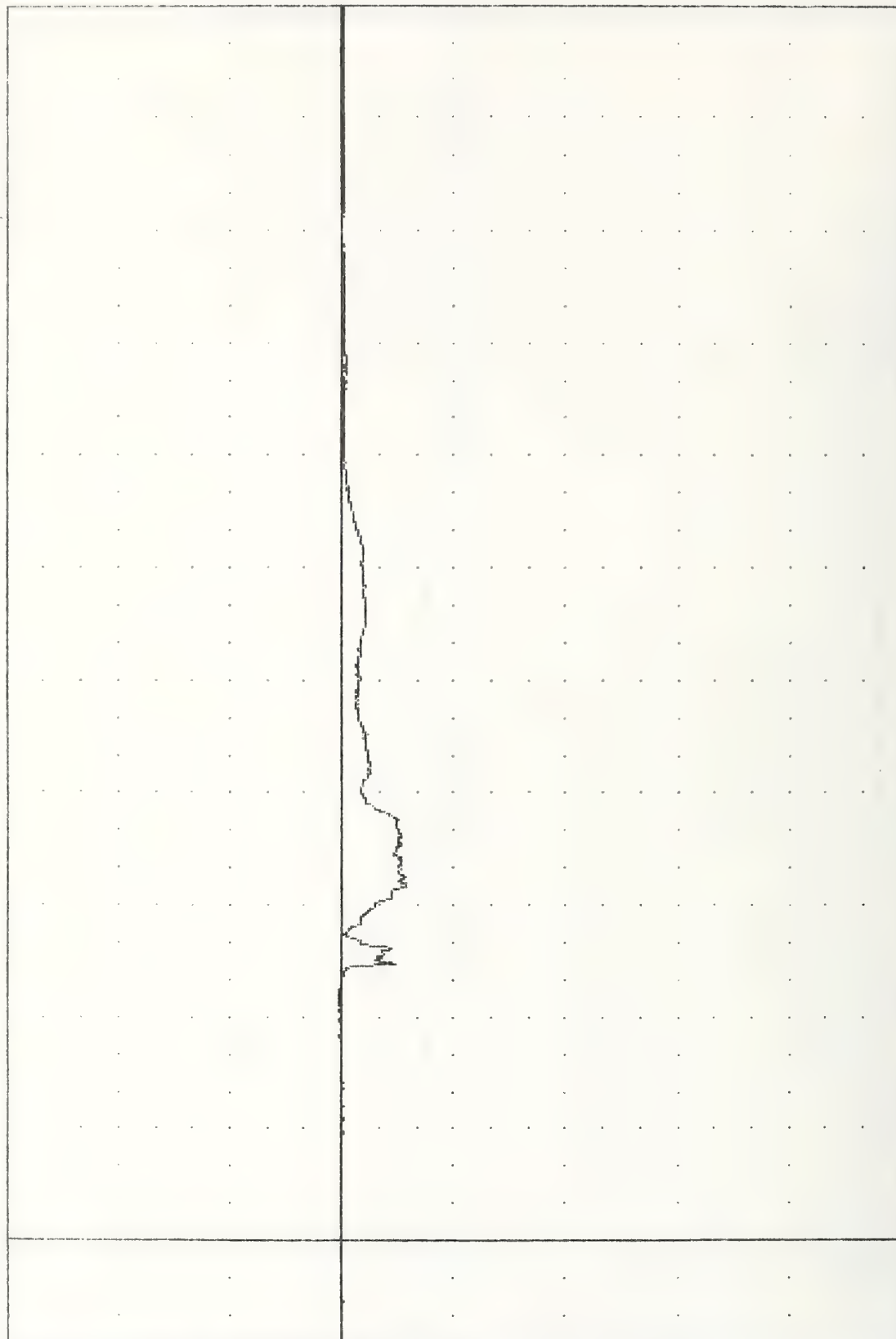
VRTC , RD384-4-11
 BREED AIRBAG SLED PROGRAM
 85149
 LFNFI

PLOT DATE 30-MAY-85 09:13:25

FILTER = 8LFF 1000/ 3162/ -40

MIN, MAX VALUES = -346.210 63.63, 12.13, 48.75

-20.00
 0.00
 120.00
 180.00
 240.00
 300.00
 360.00
 420.00
 480.00
 540.00
 600.00
 660.00
 720.00
 780.00
 840.00
 900.00
 960.00
 1020.00
 1080.00
 1140.00
 1200.00
 1260.00
 1320.00
 1380.00
 1440.00
 1500.00
 1560.00
 1620.00
 1680.00
 1740.00
 1800.00
 1860.00
 1920.00
 1980.00
 2040.00
 2100.00
 2160.00
 2220.00
 2280.00
 2340.00
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 8880.00
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 9000.00
 9060.00
 9120.00
 9180.00
 9240.00
 9300.00
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 9420.00
 9480.00
 9540.00
 9600.00
 9660.00
 9720.00
 9780.00
 9840.00
 9900.00
 9960.00
 10000.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)
 CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DRIVER LEFT FEMUR FORCE

VRTC , R0384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 AFMF1

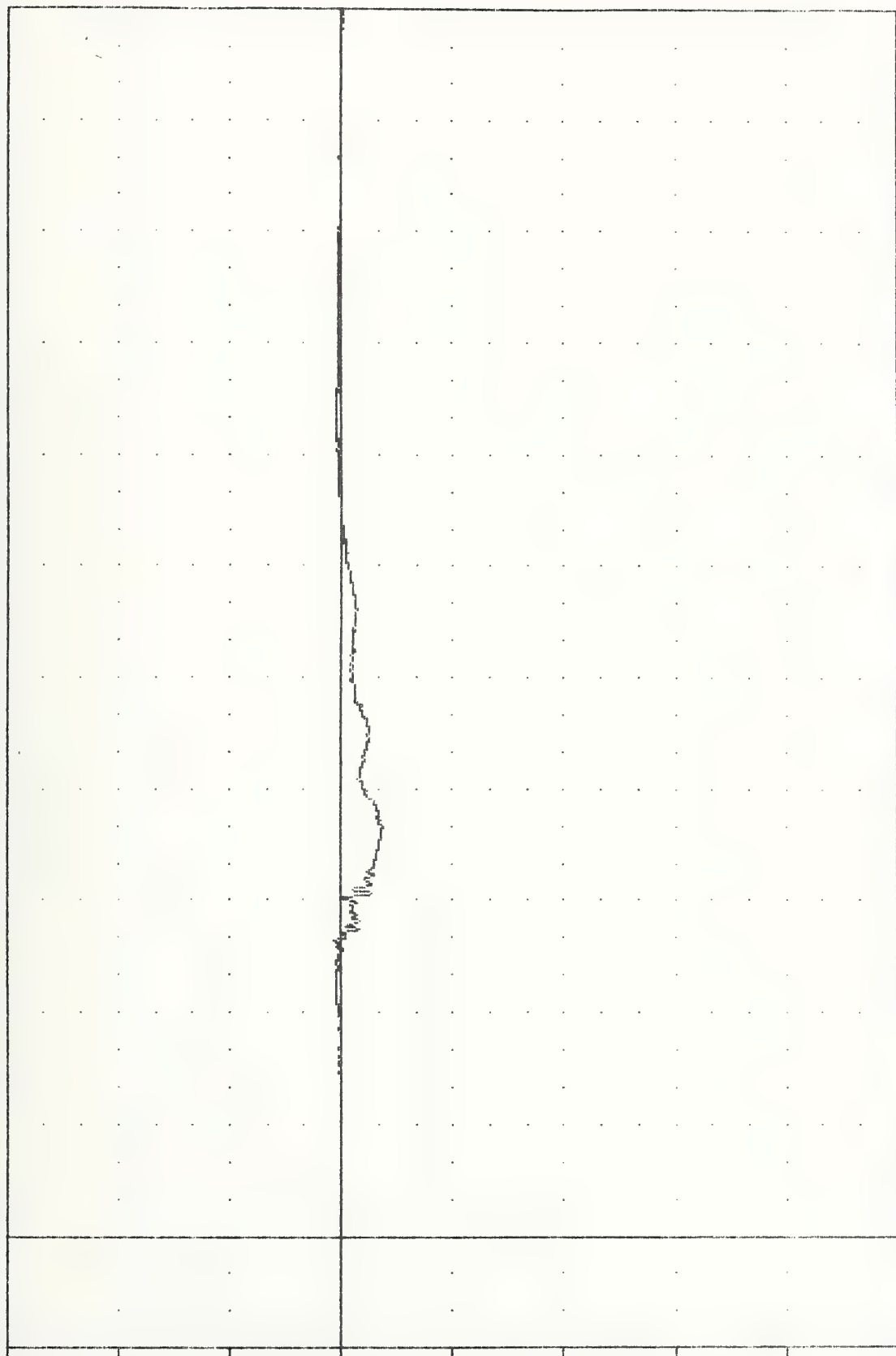
PLOT DATE 30-MAY-85 09:13:25

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -229.75 73.25 33.66 52.63

300.00 -240.00 -180.00 -120.00 -60.00 0.00 60.00 120.00 180.00 240.00
 FORCE (LB)

(X10³)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (msec)

CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY

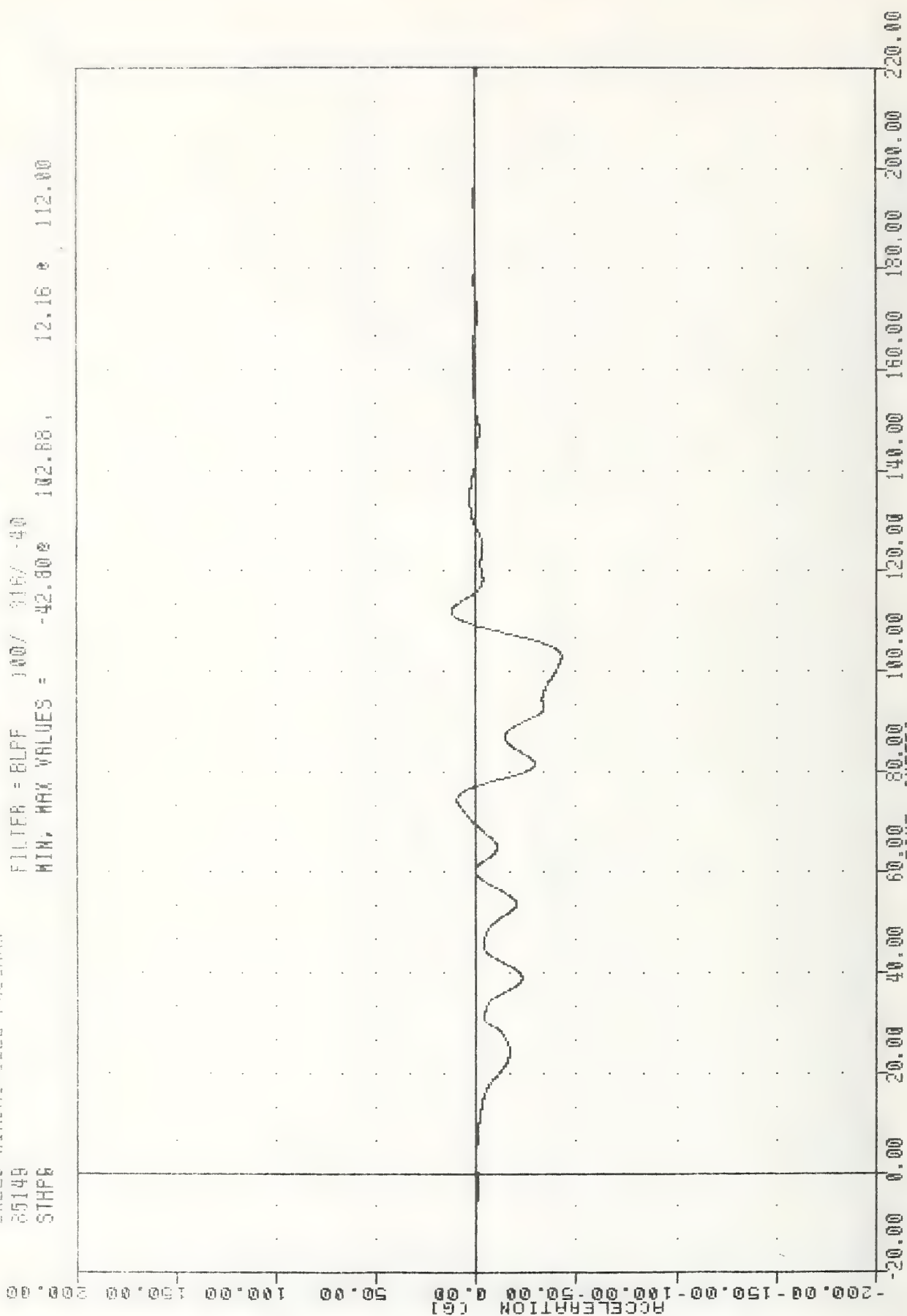
DRIVER RIGHT FEMUR FORCE

VRTC 7 50:04-4-41
 BREED AIRBAG SLED PROGRAM
 25149
 STHP6

FILE DATE 30-0001-60 04111009

FILTER = BLPF 100/ 316/ -40

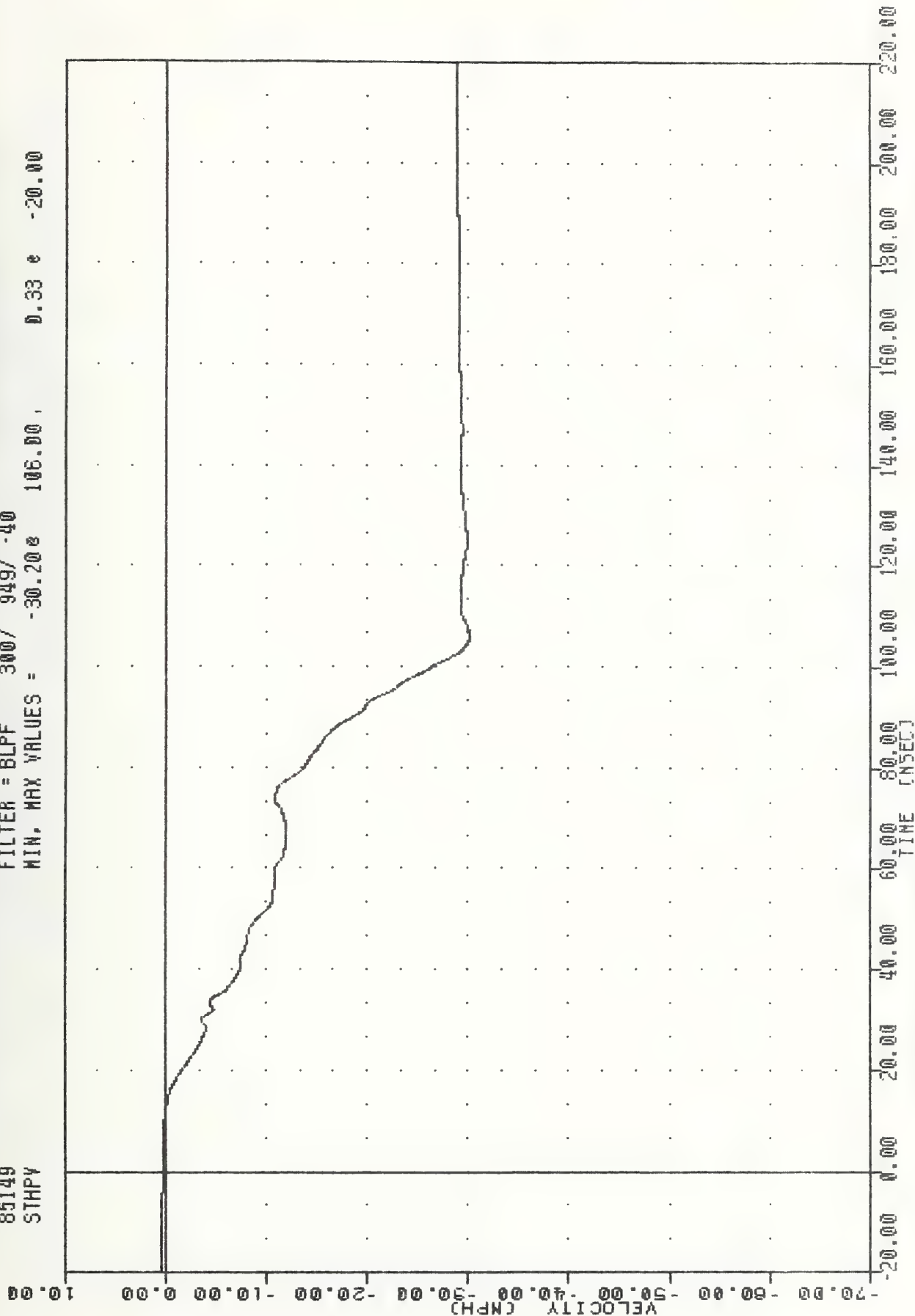
MIN, MAX VALUES = -42.80g 102.88g 12.16g 112.00



VRTC
BREED AIRBAG SLED PROGRAM
85149
STHPV

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -30.20 106.00, 0.33 e -20.00



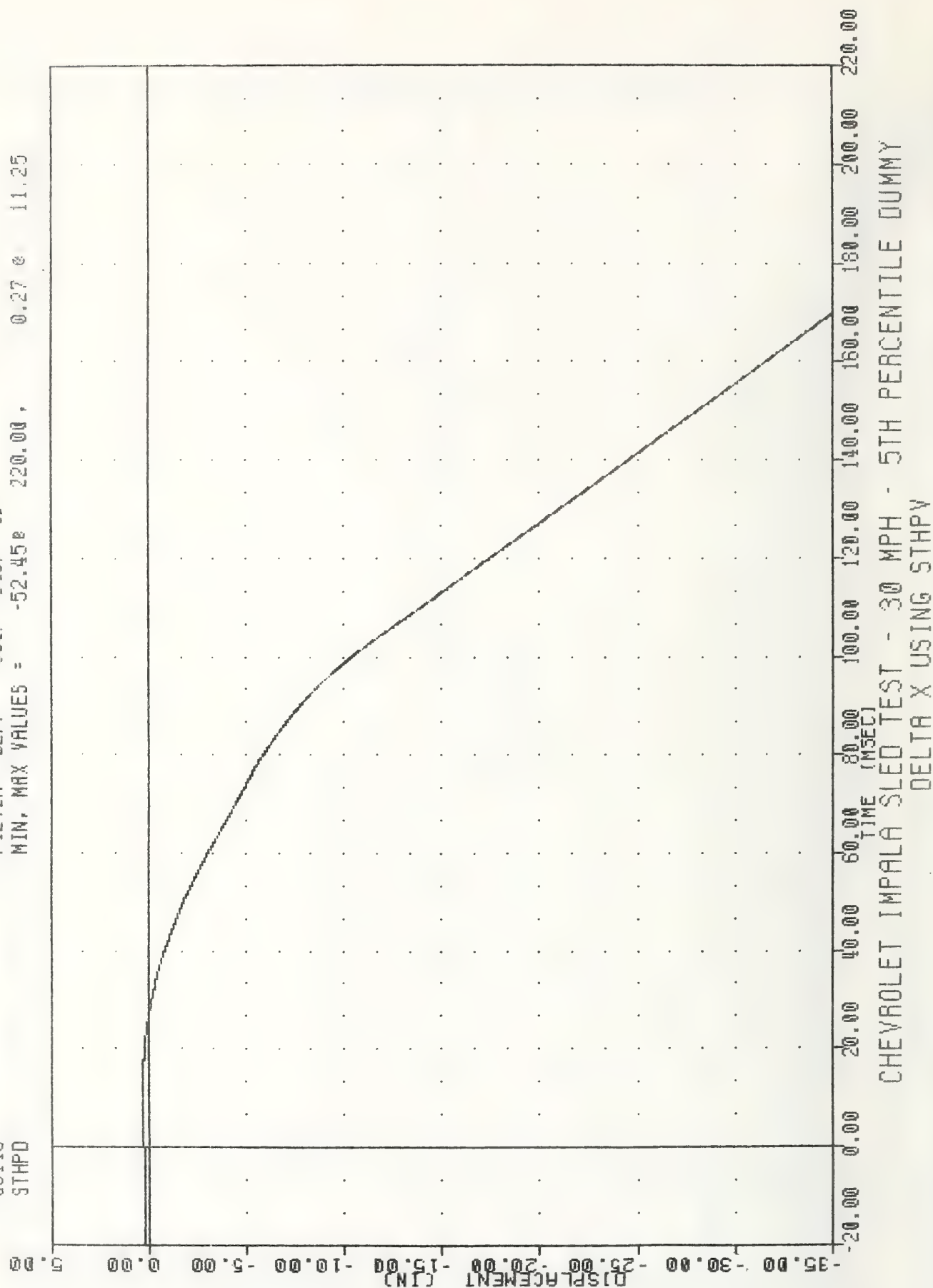
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V USING STHPG

VRTC , R0384-4-41
BREED AIRBAG SLED PROGRAM
85149
STHPD

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -52.45e 220.00, 0.27 e 11.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA X USING STHPV

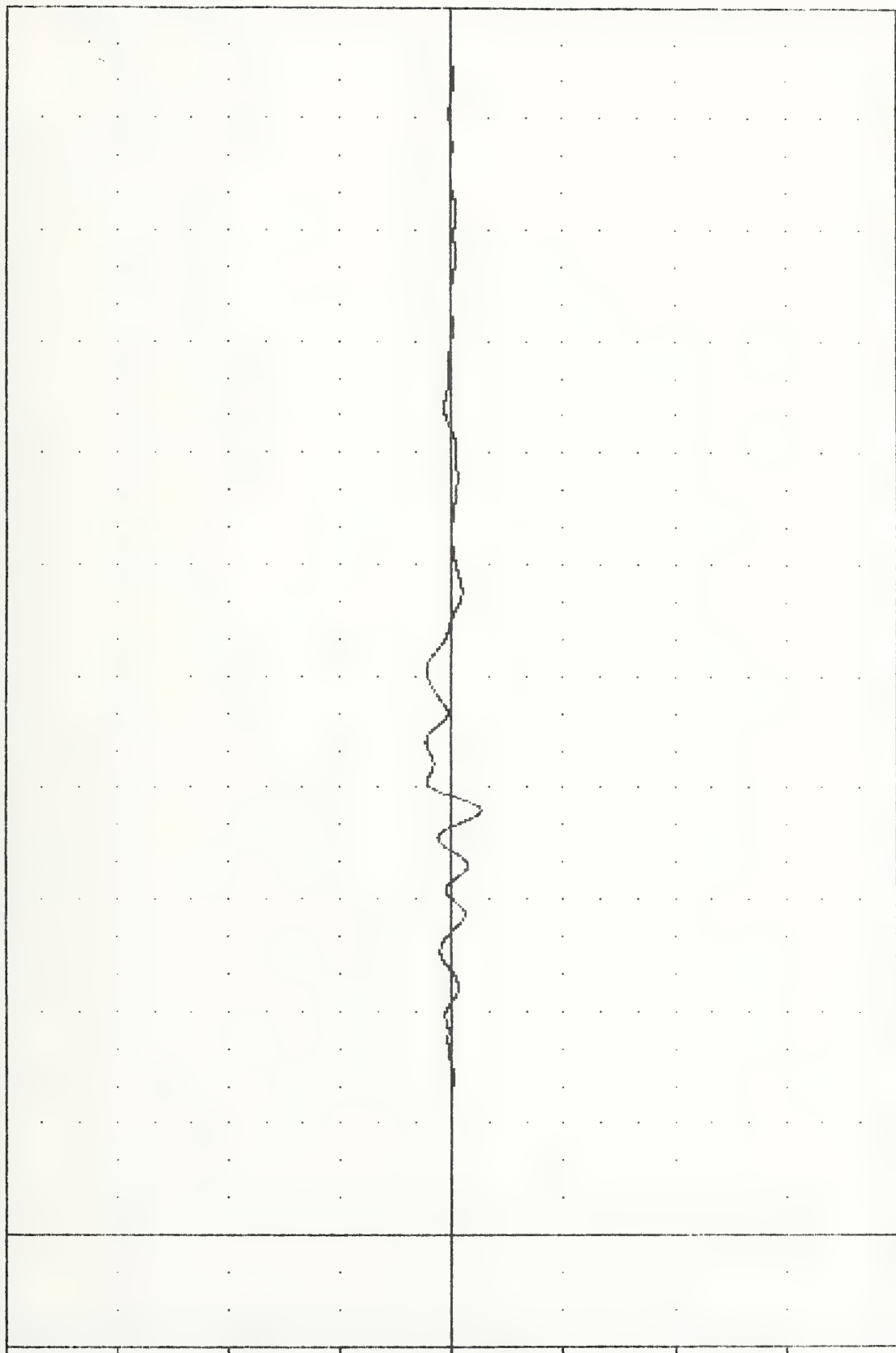
VRIC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
STHLG

PLOT DATE 30-MAY-85 09:13:25

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -13.07e 75.88e 11.43e 88.13

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

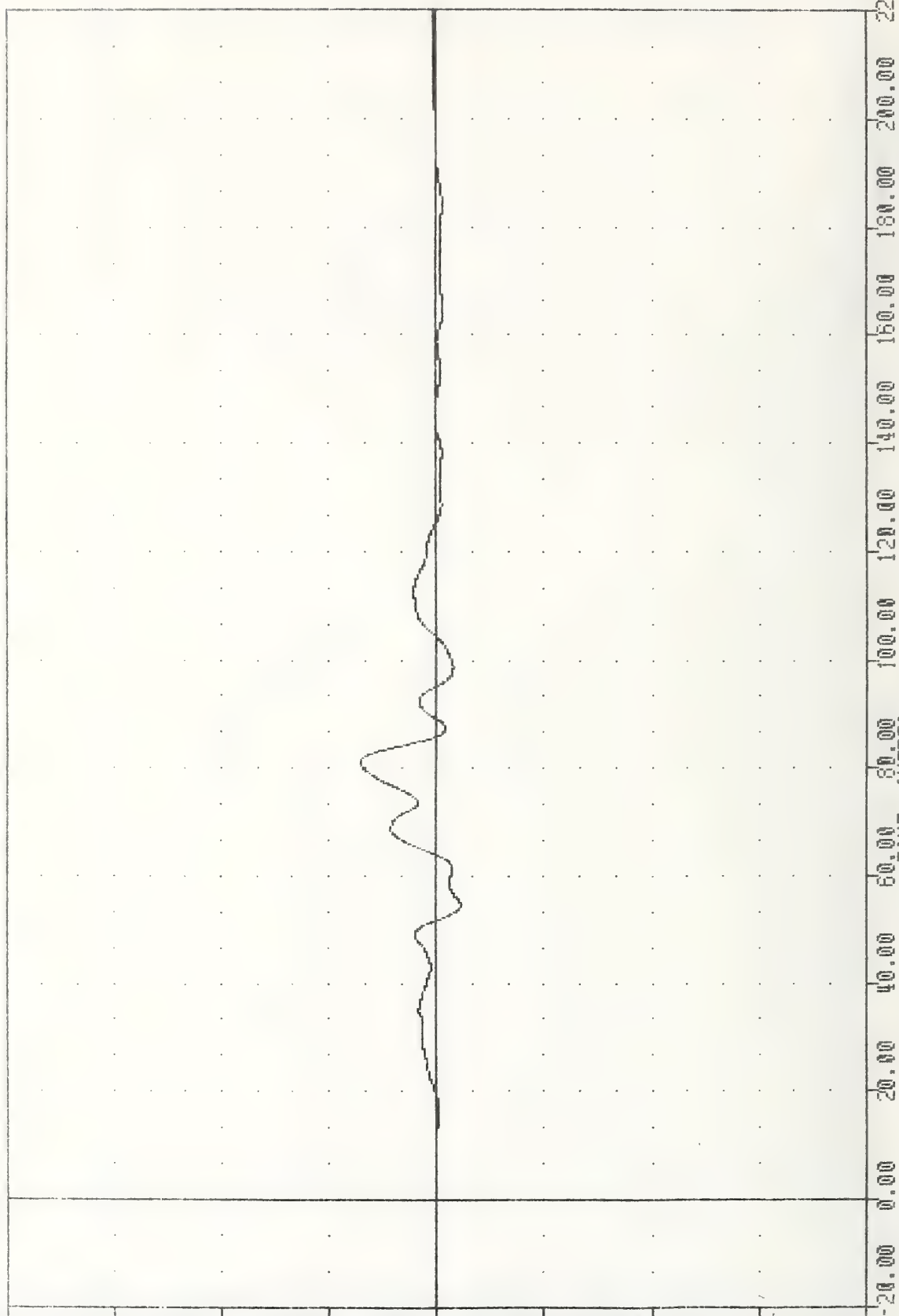
VRTC
BASED AIRBAG SLED VARIETY
85149
3THIG

PLOT DATE 40 MAR 1980 09:14:25

FILTER = BLPF 100% 316/-40

MIN. MAX VALUES = -11.02e 54.50 35.52 81.00

ACCELERATION (G)



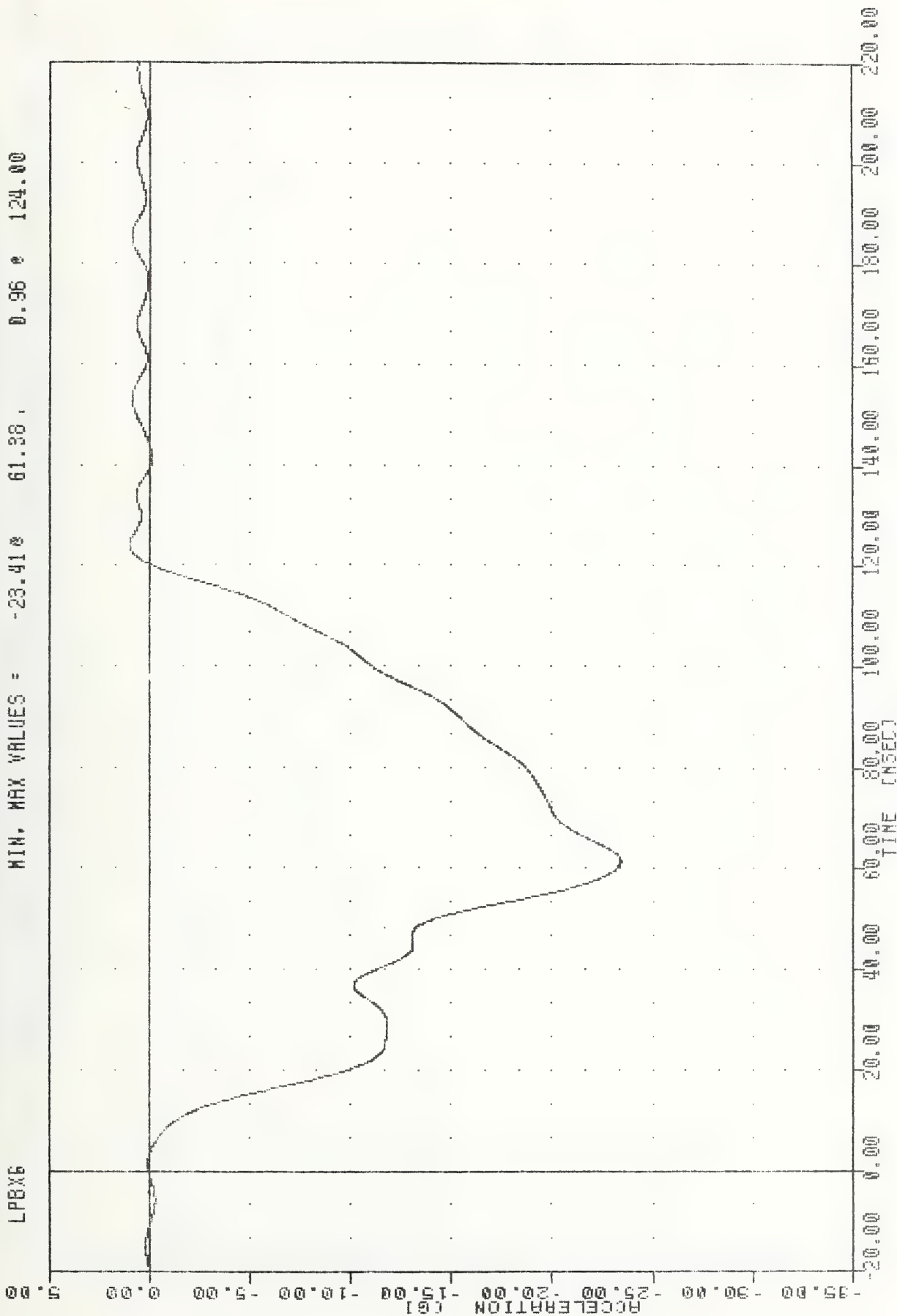
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION T-S AXIS

VRIC RD384-4-41
BREED AIRBAG SLED PROGRAM
25149
LPBX6

PLOT DATE 30-MAY-85 09:13:25

FILTER = BLPF 100/ 316/ -40

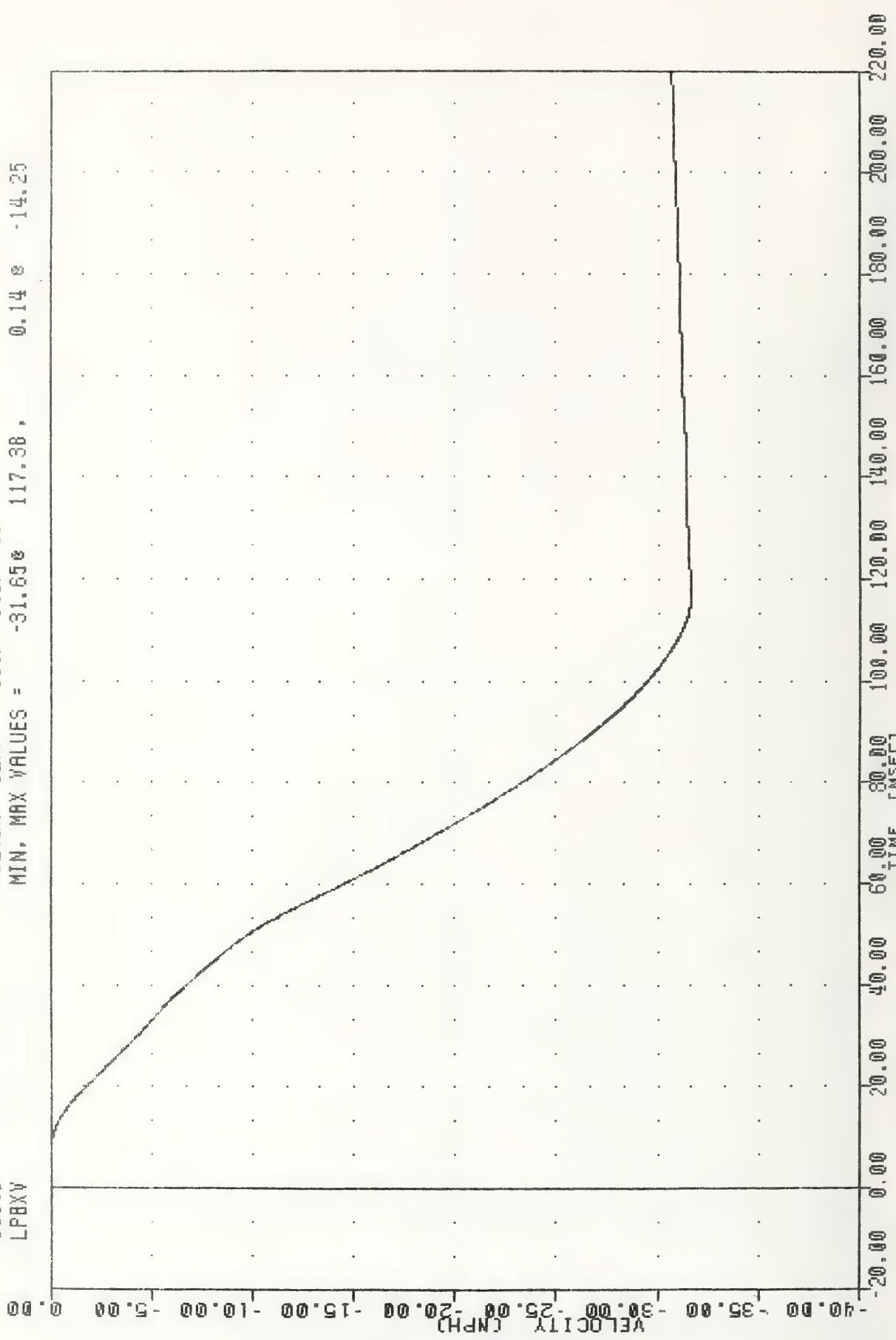
MIN. MAX VALUES = -23.41 61.38 0.96 124.00



VRTC , RD304-4-41
BREED AIRBAG SLED PROGRAM
85149
LPBXV

PLOT DATE 19-JUN-85 14:37:11

FILTER = 8LFF 300/ 949/ -40
MIN. MAX VALUES = -31.65 117.38 0.14 8 -14.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V USING LPBXG

VATC
BREED AIRBAG SLED PROGRAM
85149
LPBXD

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -59.23e 220.00, 0.10 e 8.00



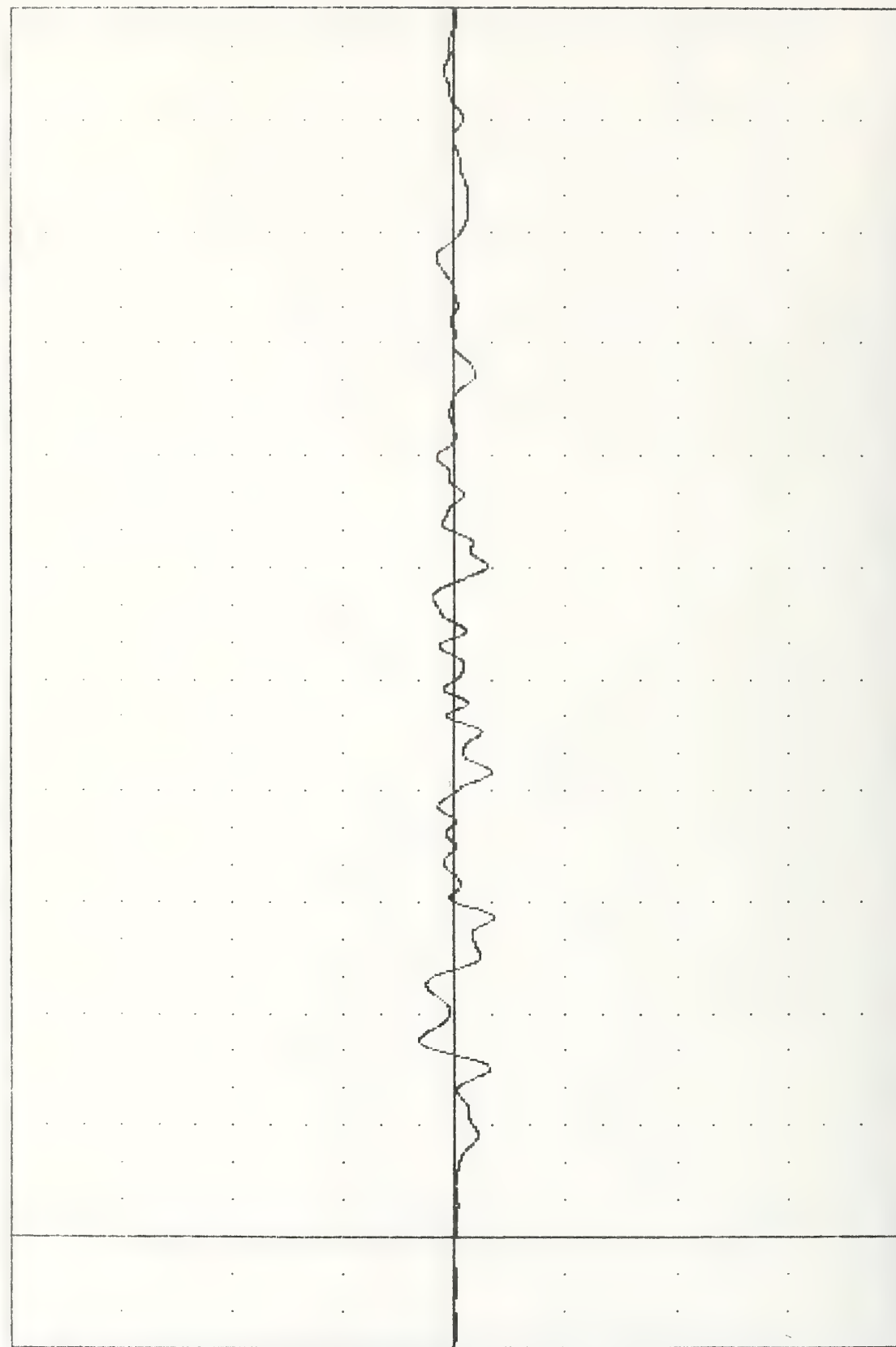
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA X USING LPBXW

VRIC , RD384-4-41
BREED AIRBAG SLED PROGRAM
35149
LPBYG

PLOT DATE 30-MAY-83 08:10:35

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -1.78e 57.25, 1.61e 35.25

ACCELERATION (G)



TIME (MSEC)

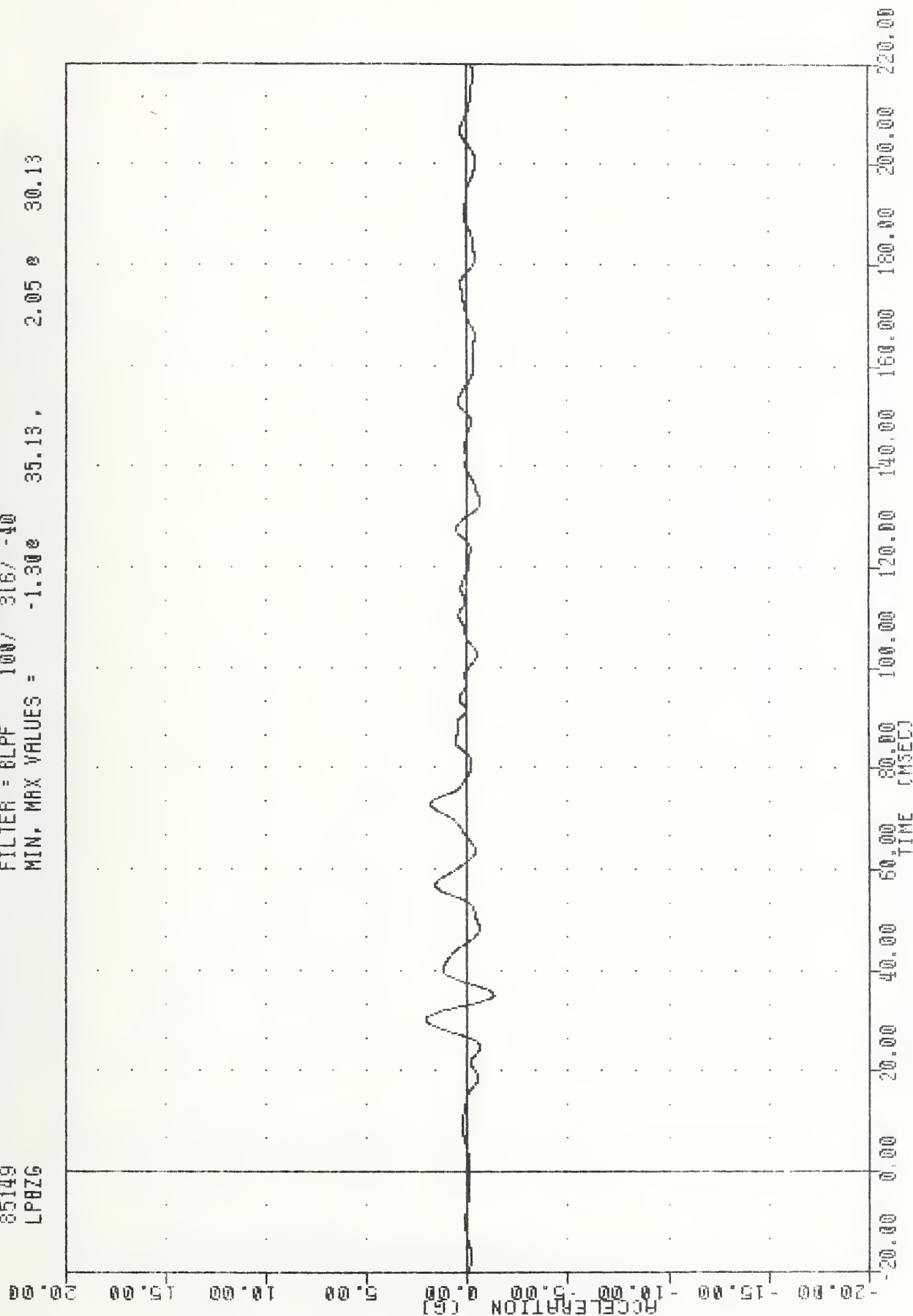
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRIC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
LPBZG

PLOT DATE 30-MAY-85 09:13:25

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.30e 35.13, 2.05 e 30.13

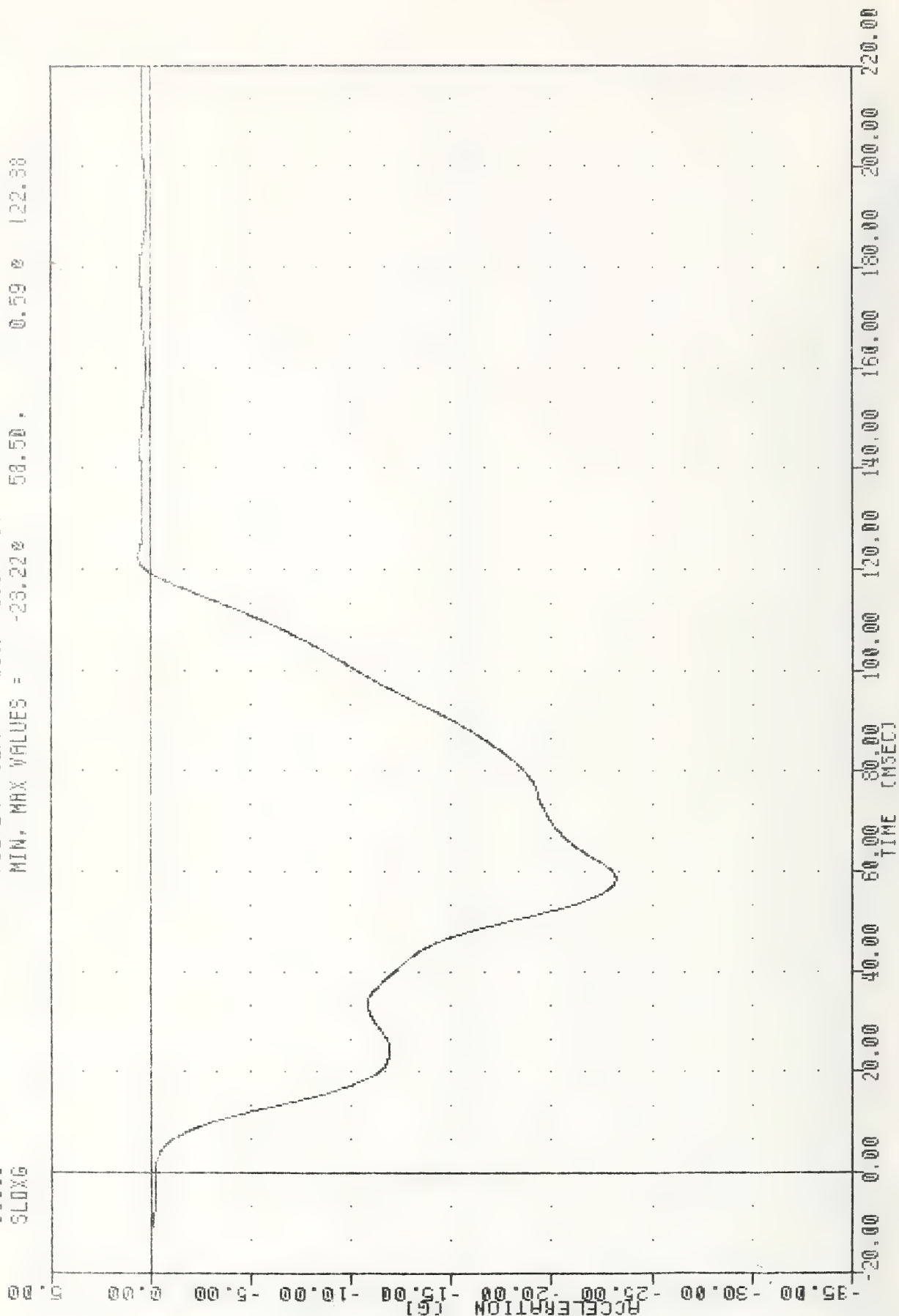


VRTC , PD364-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 SLOXG

PRINT DATE 30-MAR-75 09:11:10

FILTER = BLFF 100/ 316/ -40

MIN, MAX VALUES = -23.22 58.50, 0.59 122.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 SLED ACCELERATION

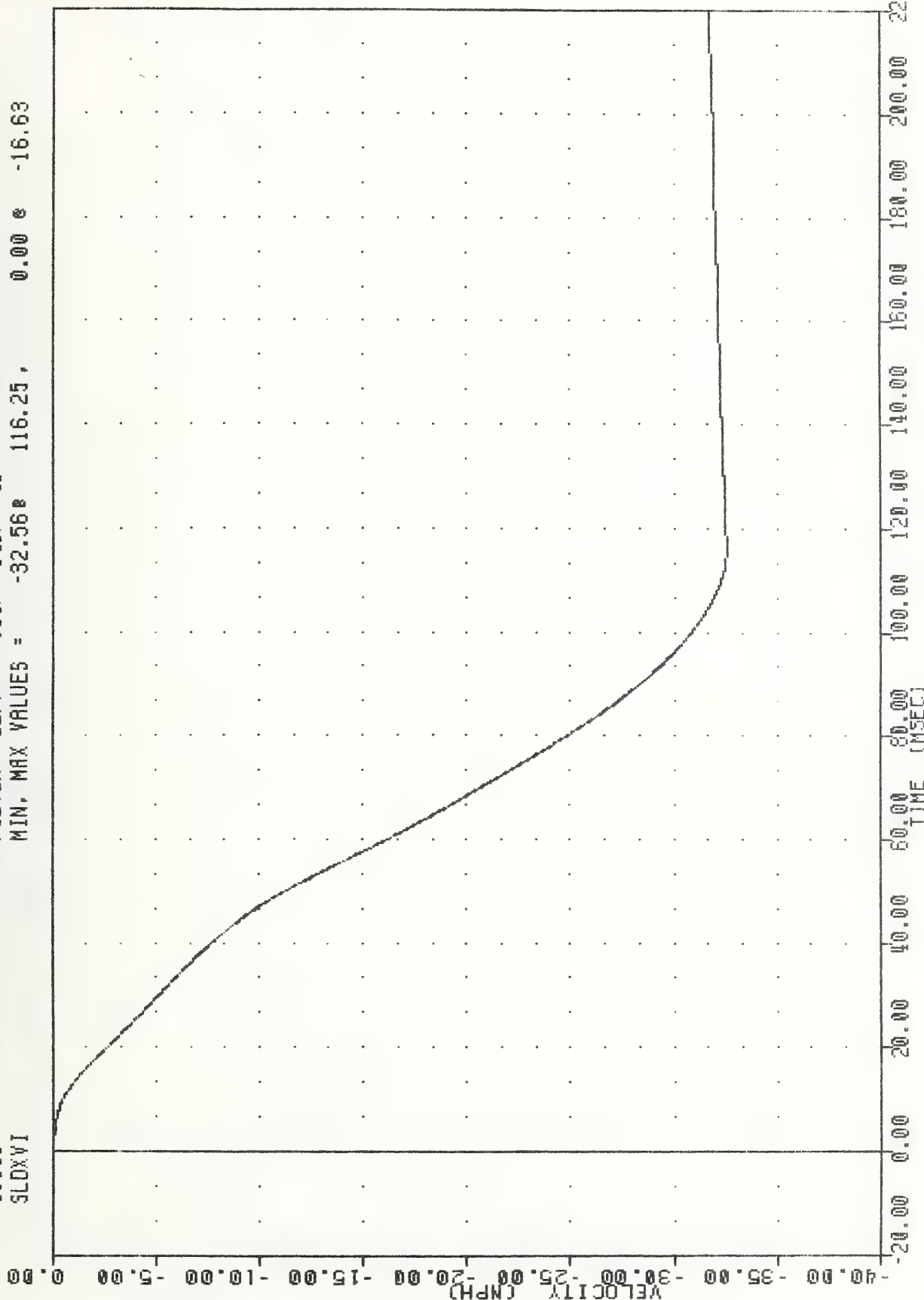
VRTC , R0384-4-41
BREED AIRBAG SLED PROGRAM
85149
SLOXVI

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -32.56 116.25, 0.00 0.00

-16.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

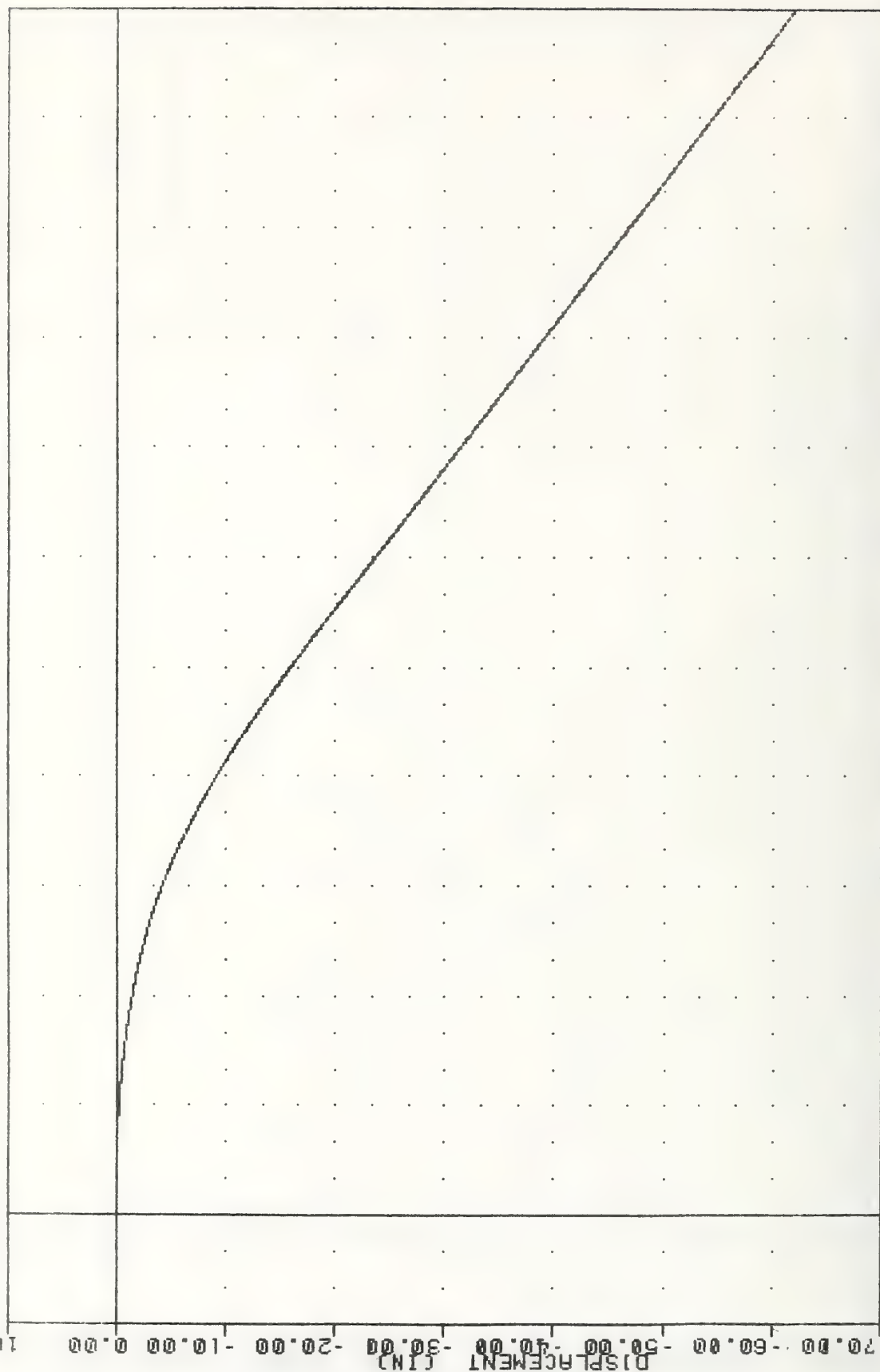
VRIC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 SLOXD

PLOT DATE 19-JUN-85 14:37:11

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -62.18e 220.00, 0.00e -14.75

10.00

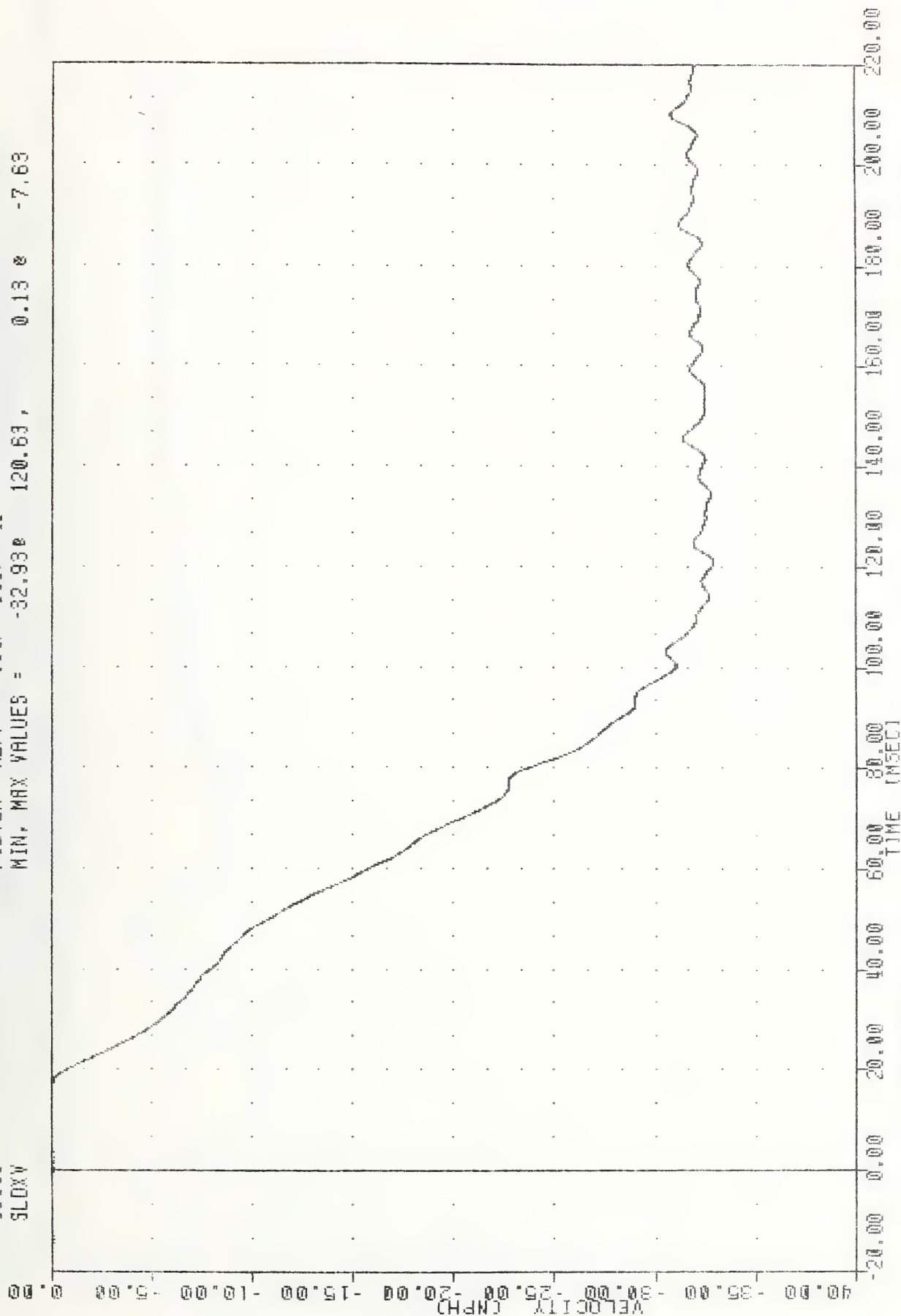


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)
 CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

VRFC , R0384-4-41
BREED AIRBAG SLED PROGRAM
85149
SLOWV

PLOT DATE 30-MAY-85 09:13:25

FILTER = ALPF 100/ 316/ -40
MIN, MAX VALUES = -32.93e 120.63, 0.13 e -7.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
SLED VELOCITY (CHR) SLEP

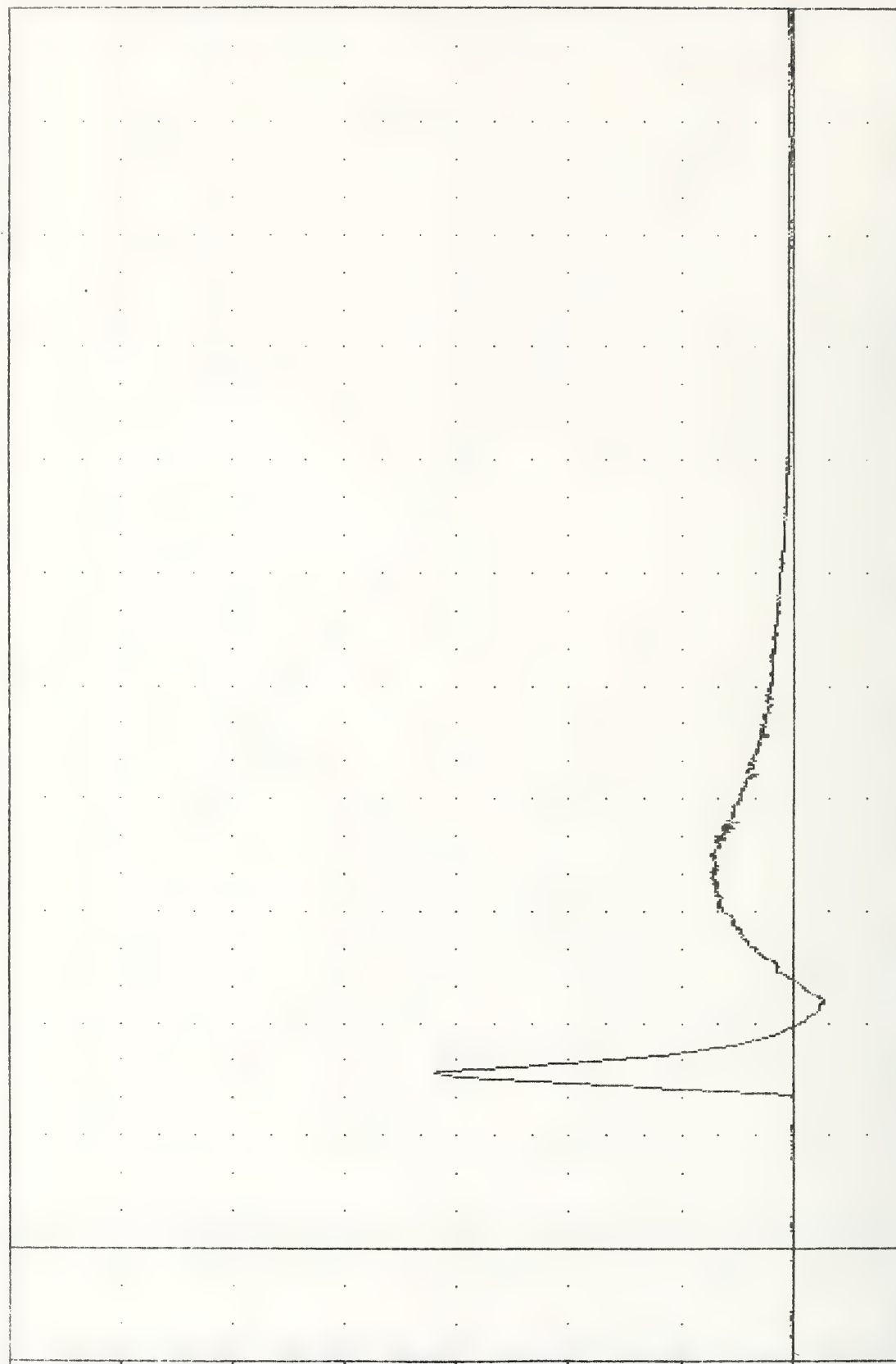
VRIC , 00324 4-41
BREED AIRBAG SLED PROGRAM
85149
ABTP

PLOT DATE 30-MAY-85 09:13:15

FILTER = RLPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.800 44.00, 31.92 % 51.00

PRESSURE (PSIG)



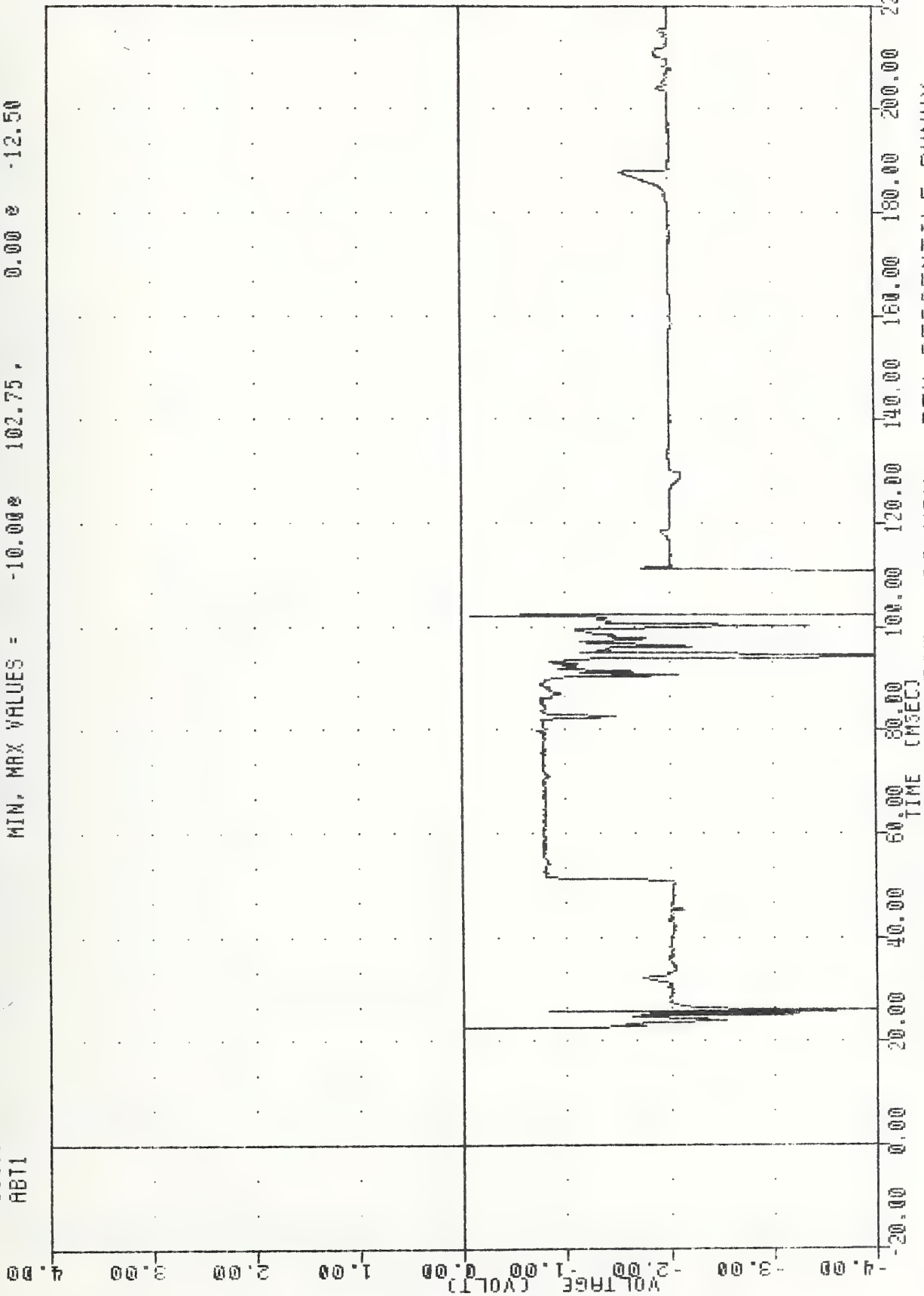
TIME (msec)

CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
AIRBAG PRESSURE

VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
ABT1

PLOT DATE 30-MAY-85 09:13:25

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -10.00e 102.75, 0.00e -12.50



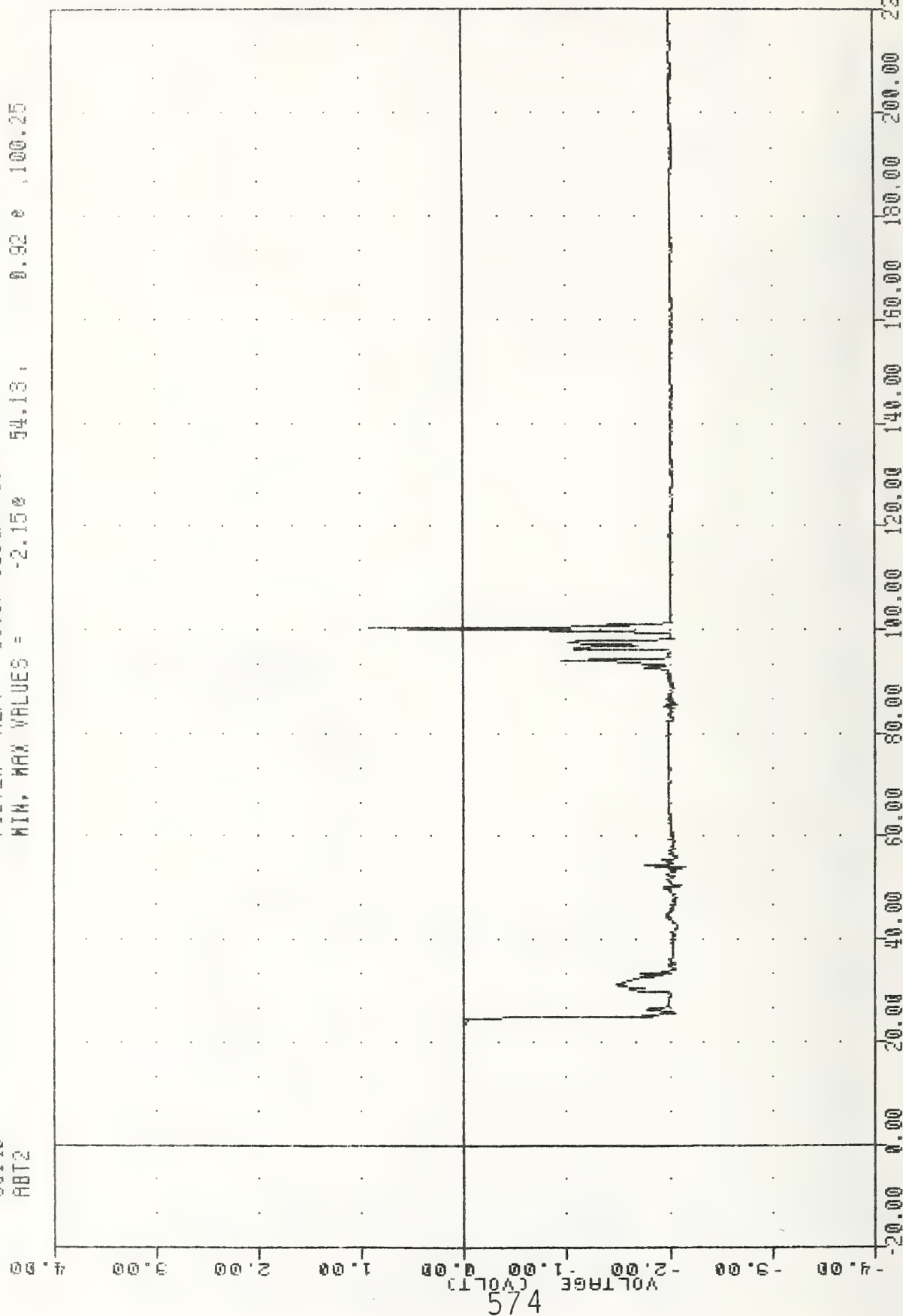
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
SENSOR BURNWIRE 1

VRIC , R034-4-1
BREED AIRBAG SLED PROGRAM
85149
ABT2

PLOT DATE 30 MAY-85 09:13:25

FILTER = RLFF 1650/ 5214/ -40

MIN, MAX VALUES = -2.150 54.13, 0.92 @ 100.25



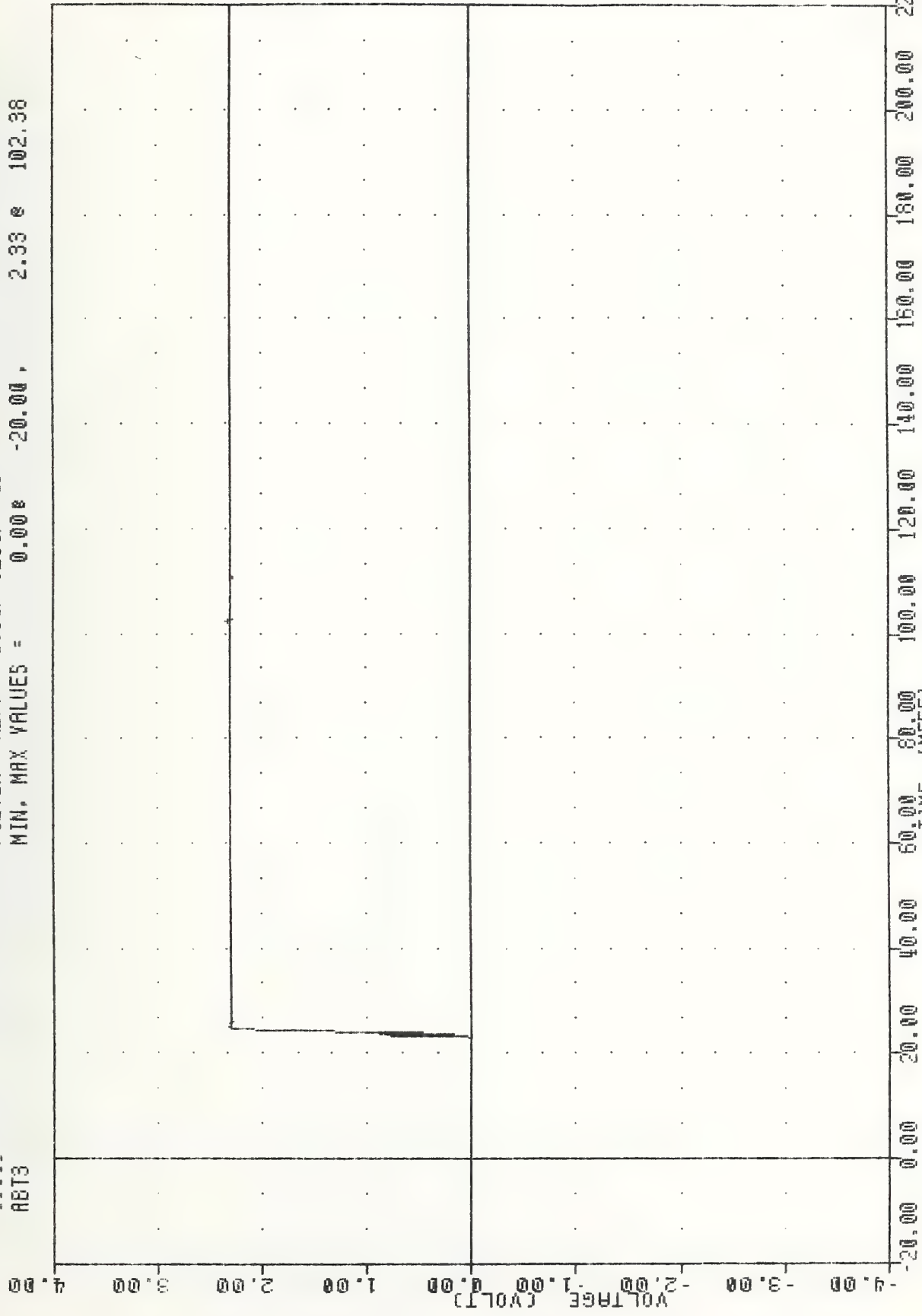
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
SENSOR BURNWIRE 2

VRTC , R0384-4-41
BREED AIRBAG SLED PROGRAM
85149
ABT3

PLOT DATE 30-MAY-85 09:13:25

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.00e -20.00, 2.33 e 102.38



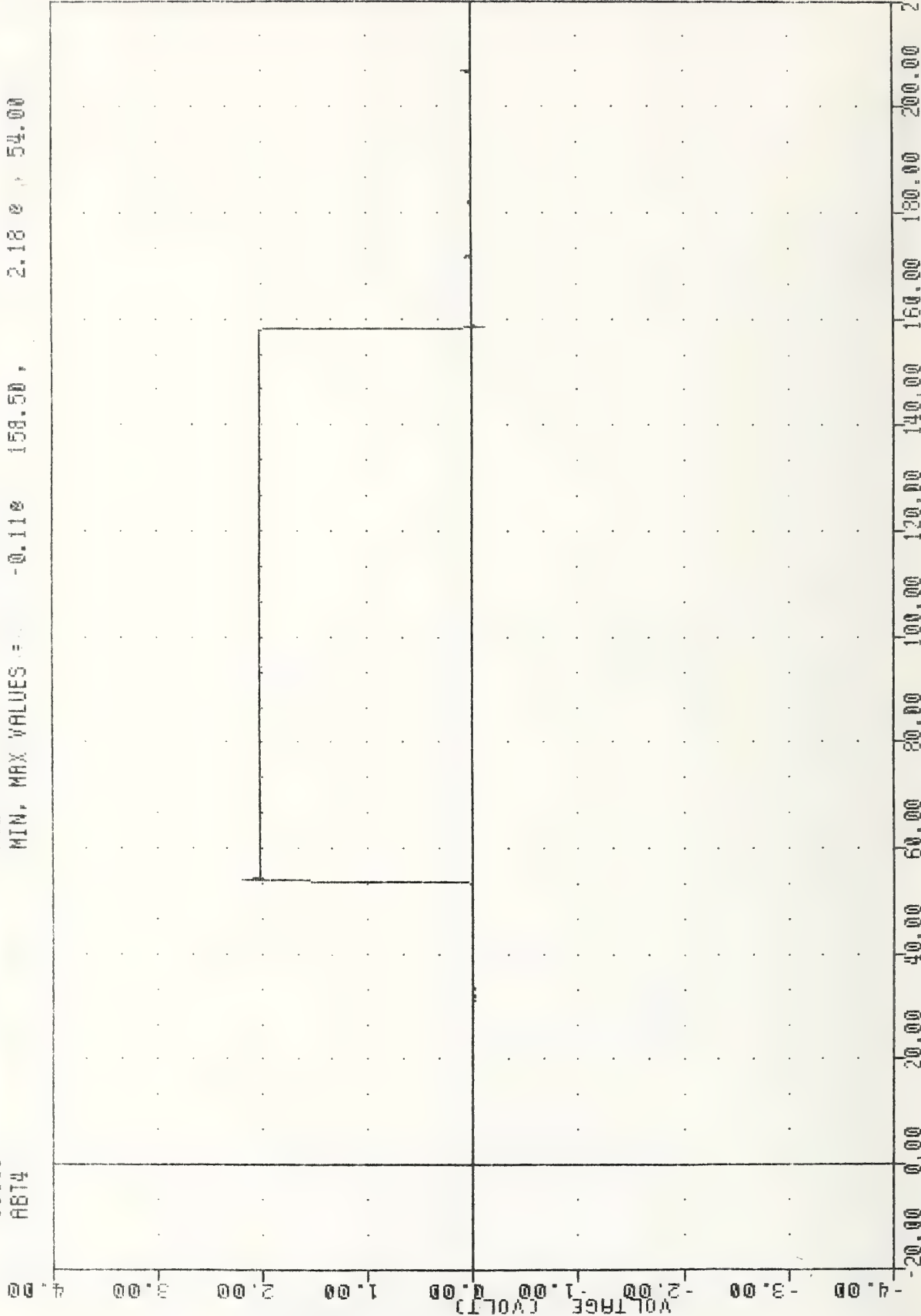
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
BREED B-PILLAR SENSOR

VRIC : RC364-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 AB74

PLOT DATE 30 MAY 68 00:13:05

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.118 158.50, 2.18 54.00



576

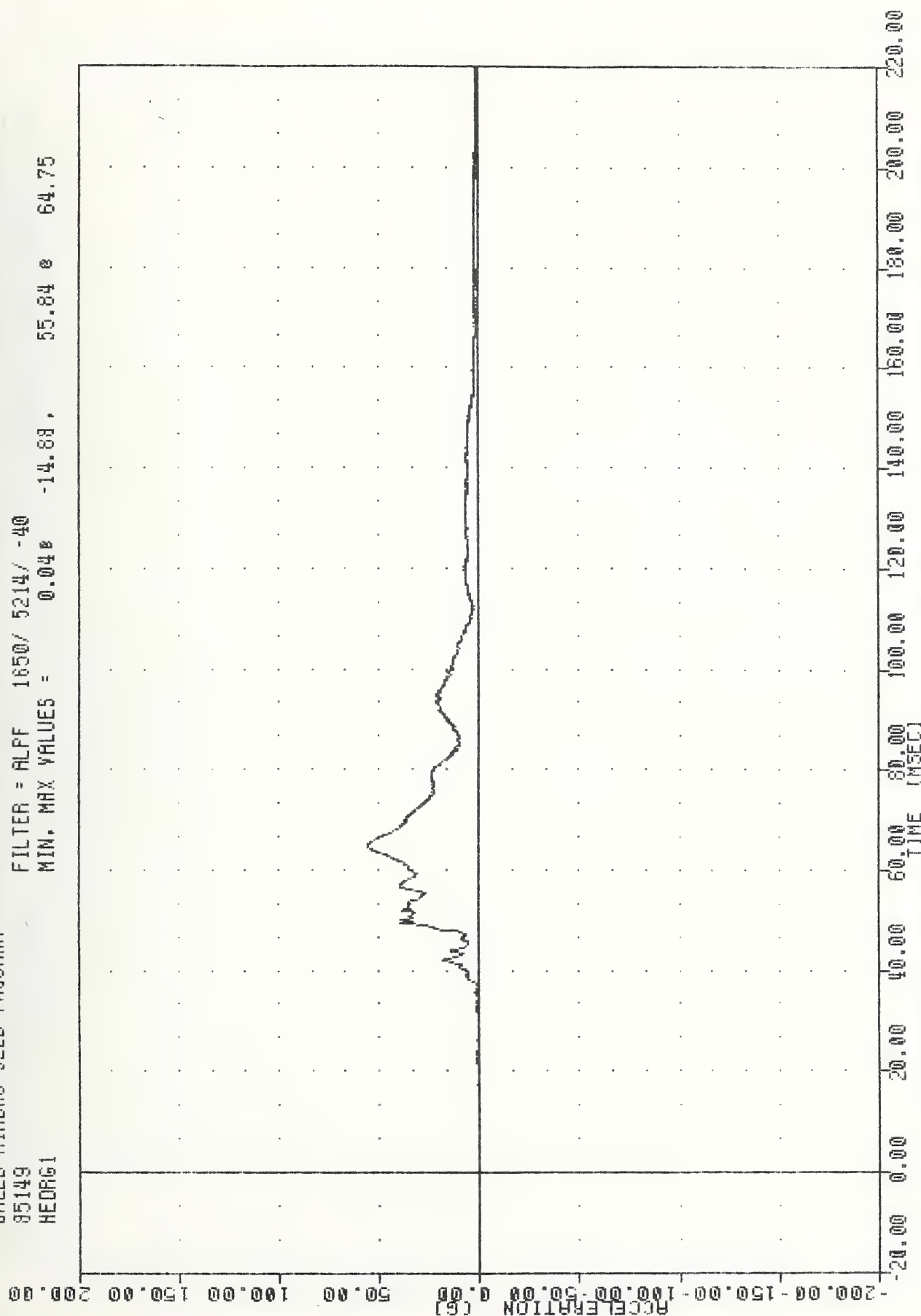
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 KNEE CONTACT

WRTC , R0384-4-41
BREED AIRBAG SLED PROGRAM
85149
HEADG1

PLOT DATE 30-MAY-85 09:13:01

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.048 -14.88, 55.84 64.75



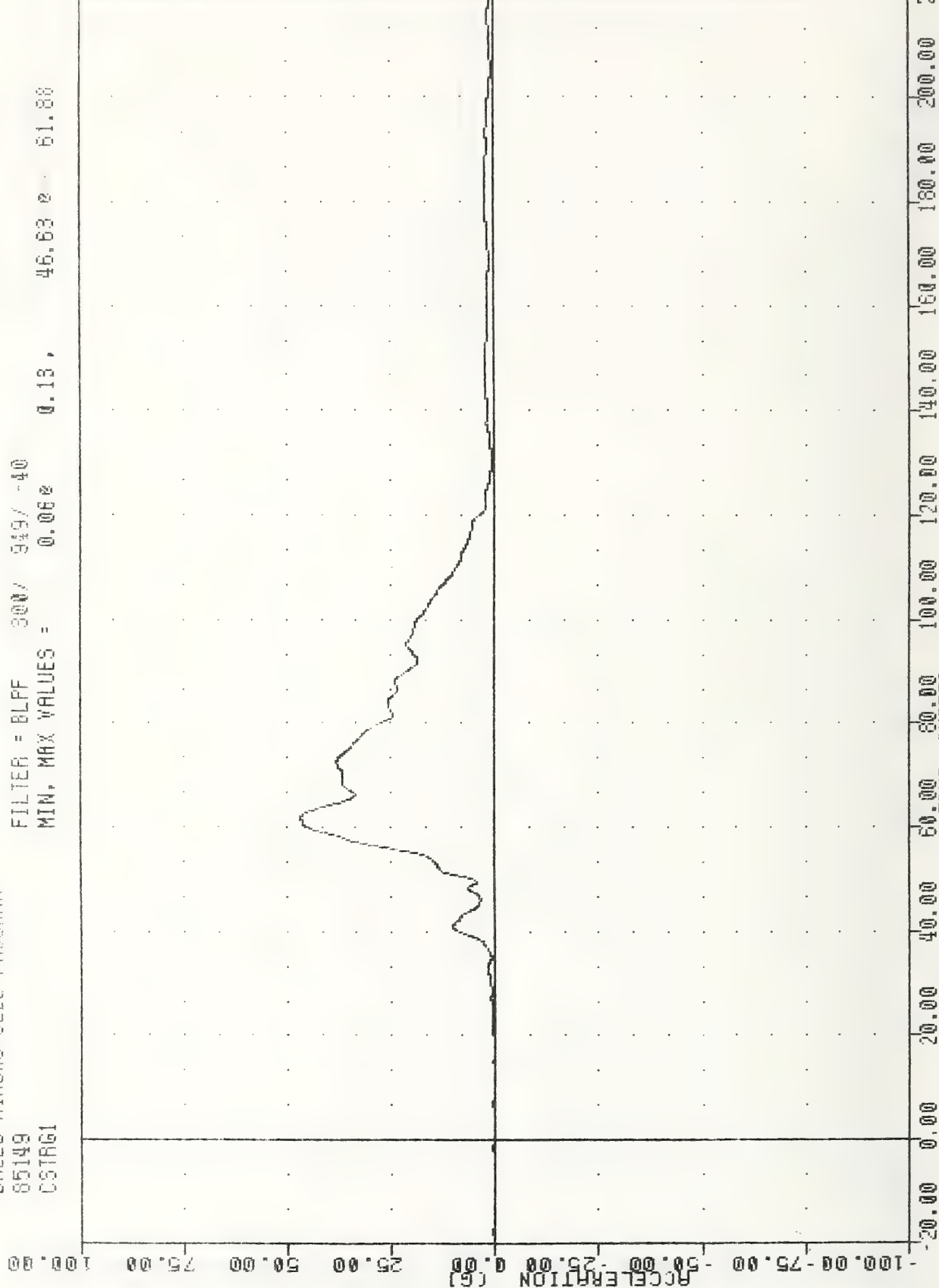
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRIC , RD304-4-41
BREED AIRBAG SLED PROGRAM
85149
CSTRG1

PLT DATE 30-MAY-85 01:13:01

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.060 0.13, 46.63 61.80



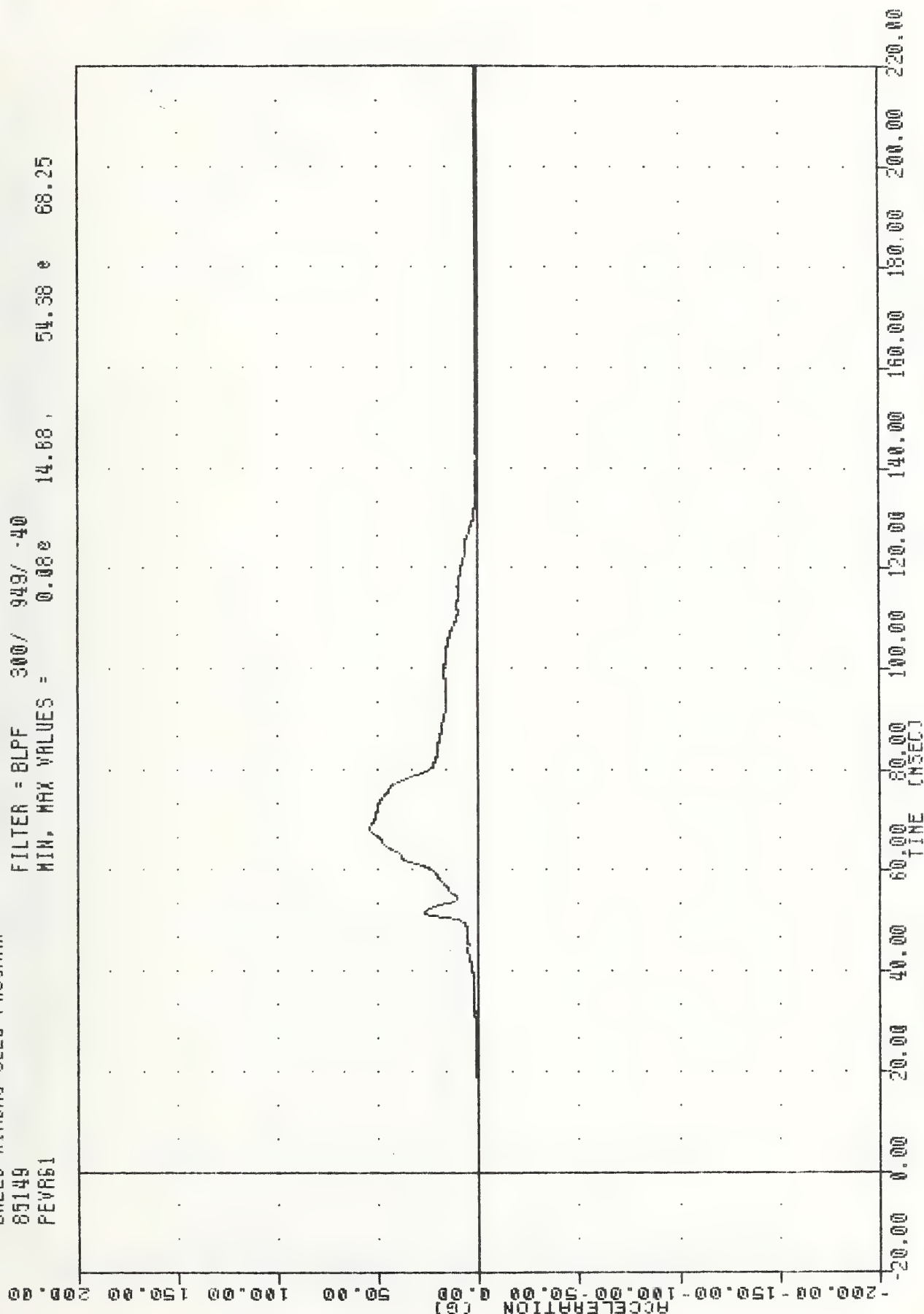
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VATC , RD384-4-41
BAREO AIRBAG SLED PROGRAM
85149
PEVR61

PLOT DATE 30-MAY-85 09:13:01

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.08e 14.68 , 54.38 e 68.25

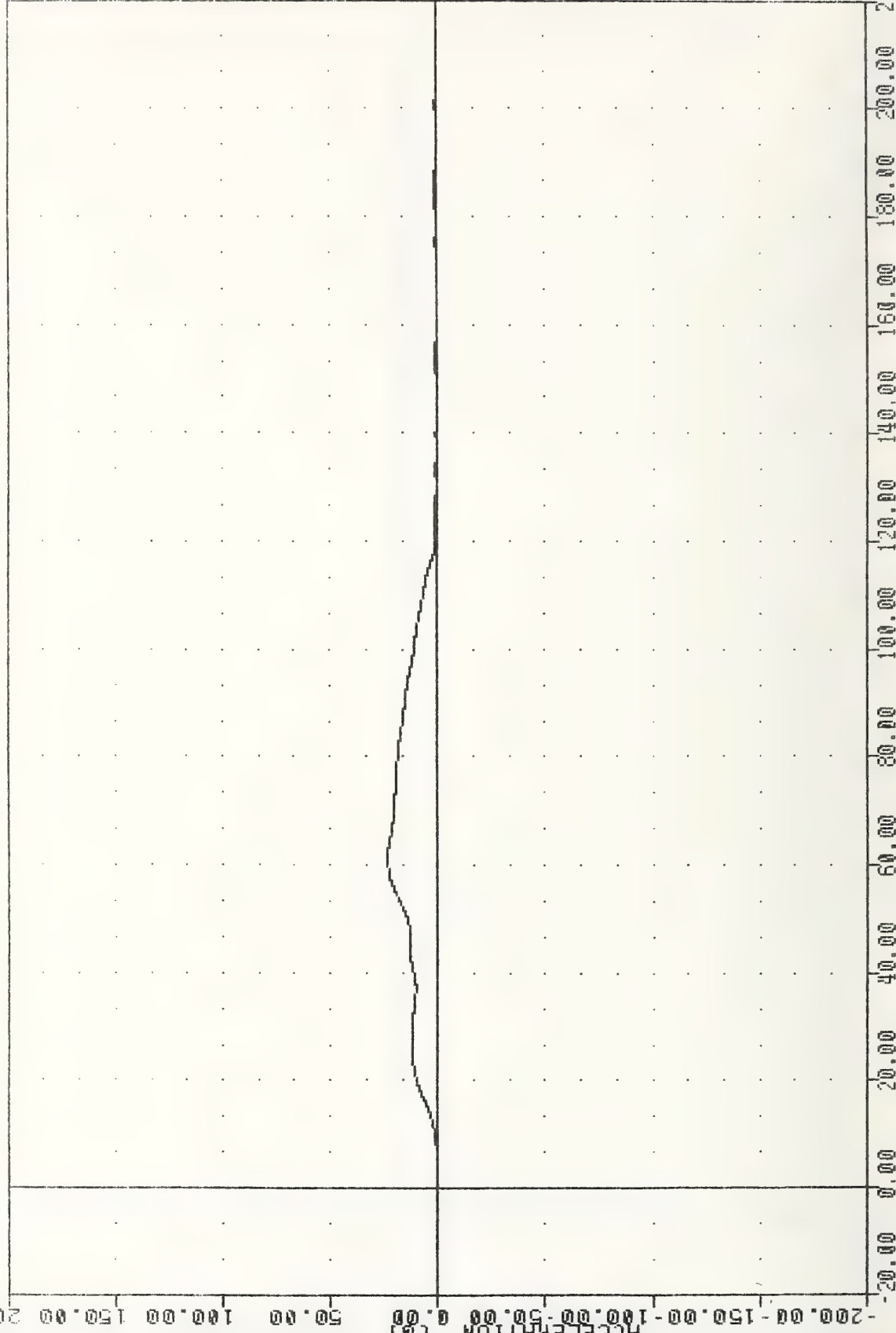


VRIC , R0384-4-41
BREED AIRBAG SLED PROGRAM
85149
LPBRG

PLOT DATE 30-MAY-85 09:13:01

580
ACCELERATION (G)

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.07e -20.00, 23.41 e 61.38



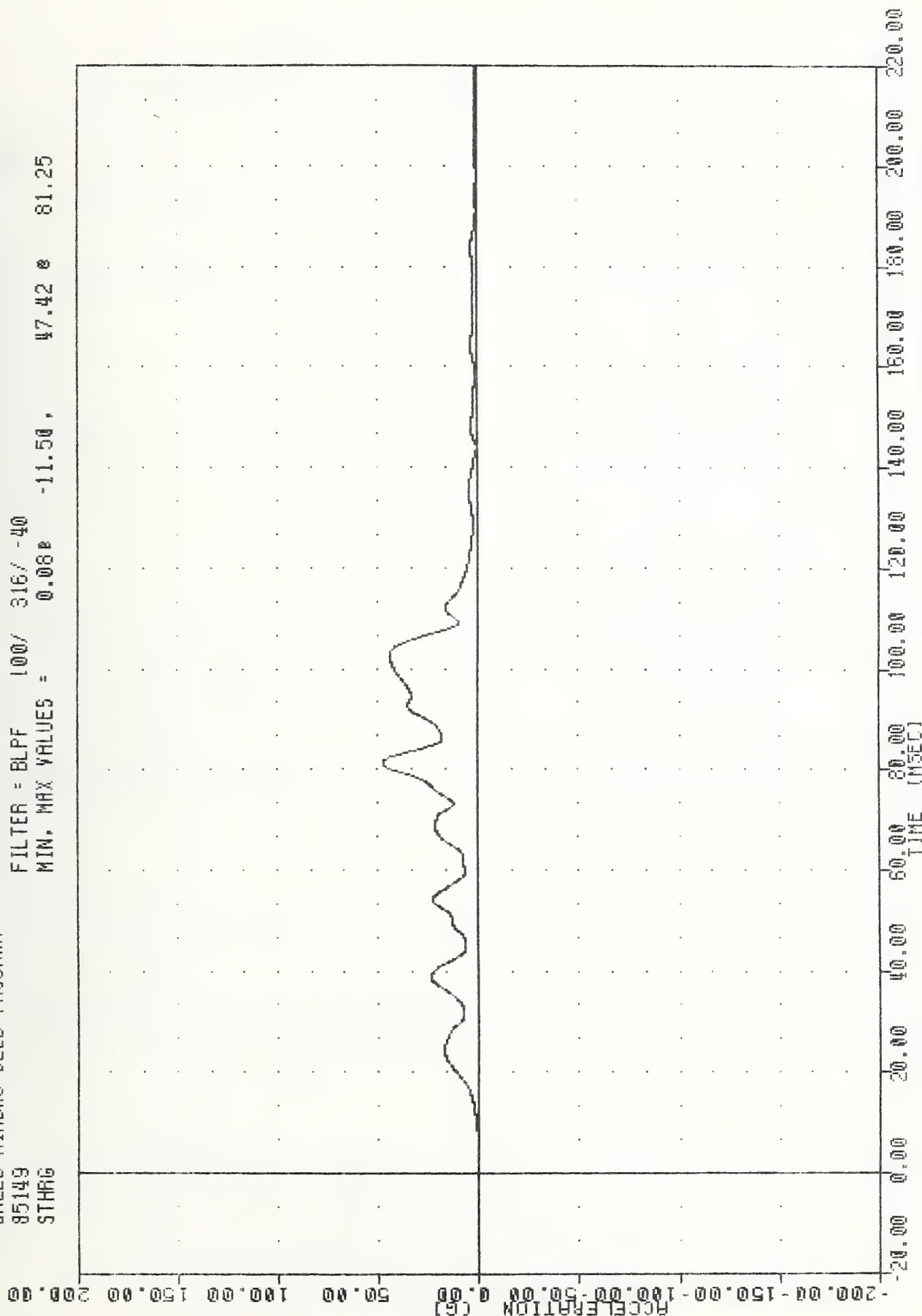
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
STHRG

PLOT DATE 30-MAY-85 09:13:01

FILTER = BLPF 100/ 316/ -40

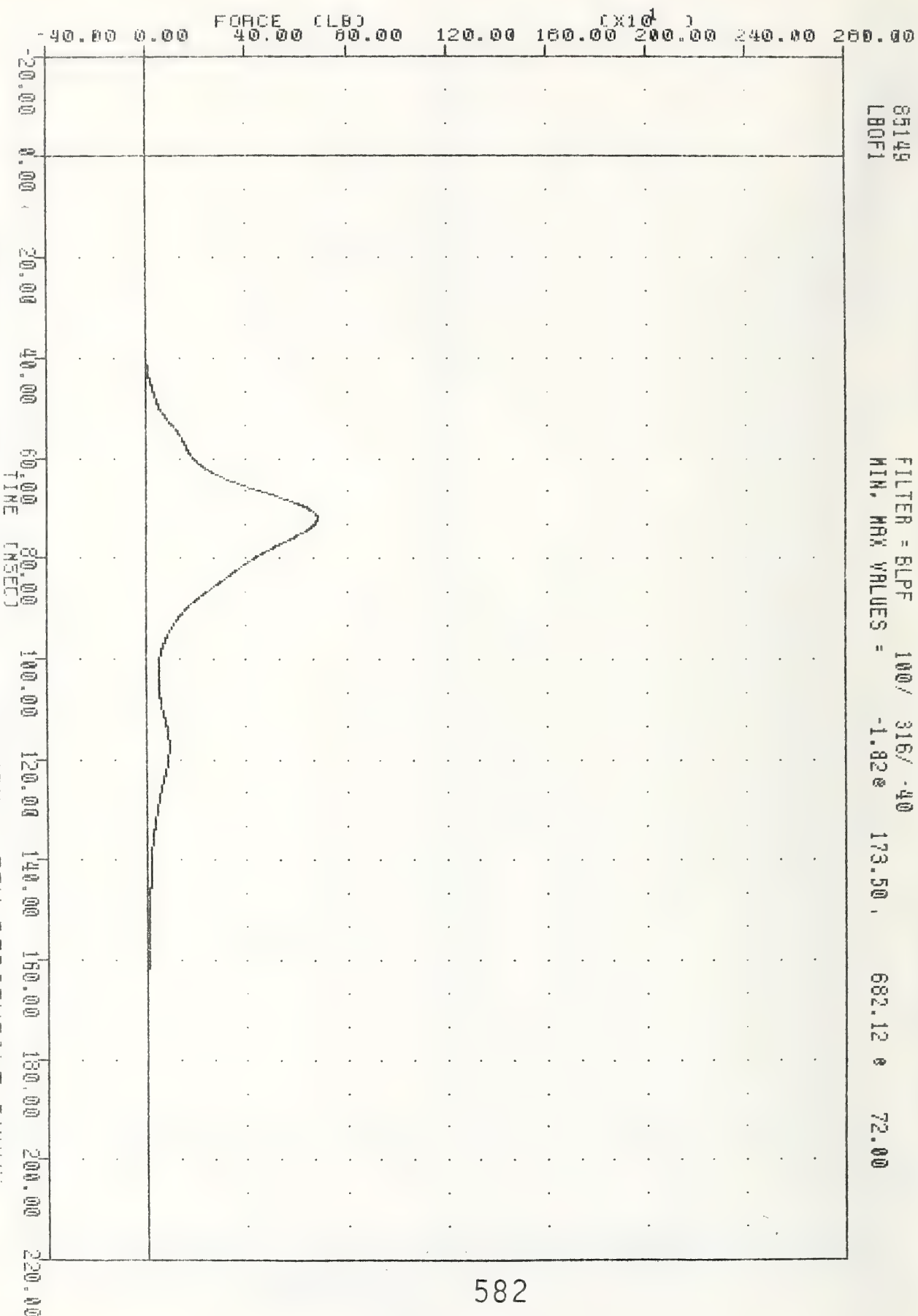
MIN. MAX VALUES = 0.068 -11.50, 47.42 81.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY

VRTC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 LBOFI

PLOT DATE 30-MAY-85 09:13:25
 FILTER = BLPF 100/ 316/ -40
 MIN, MAX VALUES = -1.82e 173.50 , 682.12 e 72.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DRIVER LAP BELT FORCE LBS

		Min value	Max value	Data Units	Filter
1	EVENT	0.068 @ 54.875	1.606 @ -18.250 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-32.737 @ 121.000	0.143 @ -19.875 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-23.299 @ 58.375	0.954 @ 132.875 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-50.843 @ 81.125	2.040 @ 217.625 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-1.565 @ 72.750	5.151 @ 88.125 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-25.522 @ 128.375	25.092 @ 87.125 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-42.049 @ 82.625	4.462 @ 172.750 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-1.743 @ 145.125	4.296 @ 104.875 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-11.191 @ 134.625	11.119 @ 99.500 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-65.575 @ 79.375	6.303 @ 165.125 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-135.683 @ 104.500	65.137 @ 40.125 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-112.124 @ 94.125	3.451 @ 114.625 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-11.607 @ 92.750	9.977 @ 94.750 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-17.866 @ 118.625	1.215 @ 201.750 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-2667.555 @ 93.375	149.878 @ 218.750 msec	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-2487.167 @ 93.500	43.787 @ 75.625 msec	lb	BLPF 1000/ 3162/ -40
17	STHPG	-62.638 @ 107.500	58.209 @ 84.875 msec	g	BLPF 100/ 316/ -40
18	STHLG	-22.118 @ 111.750	11.940 @ 98.125 msec	g	BLPF 100/ 316/ -40
19	STHIG	-32.234 @ 88.125	34.271 @ 72.625 msec	g	BLPF 100/ 316/ -40
20	LPBXG	-23.186 @ 61.125	1.694 @ 130.375 msec	g	BLPF 100/ 316/ -40
21	LPBYG	-2.025 @ 121.875	3.391 @ 110.375 msec	g	BLPF 100/ 316/ -40
22	LPBZG	-2.510 @ 130.875	3.031 @ 31.875 msec	g	BLPF 100/ 316/ -40
23	ABTP	-2.599 @ 45.375	26.706 @ 30.625 msec	psig	ALPF 1650/ 5214/ -40
24	ABT1	-3.748 @ 26.750	0.929 @ 159.500 msec	volt	ALPF 1650/ 5214/ -40
25	ABT2	-2.869 @ 26.875	0.004 @ -0.125 msec	volt	ALPF 1650/ 5214/ -40
26	ABT3	-0.001 @ -20.000	2.125 @ 140.250 msec	volt	ALPF 1650/ 5214/ -40
27	ABT4	-2.037 @ 171.250	10.002 @ 79.375 msec	volt	ALPF 1650/ 5214/ -40

		Min value	Max value	Data Units	Filter
1	HEDXV1	-38.254 @ 207.750	0.880 @ 61.125 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-54.934 @ 220.000	0.409 @ 69.250 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-38.623 @ 141.875	0.037 @ -3.000 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-56.565 @ 220.000	0.027 @ 18.750 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-28.457 @ 163.375	-0.355 @ -11.625 msec	mph	BLPF 300/ 949/ -40
6	PEVD1	-46.090 @ 220.000	-0.188 @ -20.000 msec	in	BLPF 300/ 949/ -40
7	SLDXV1	-32.285 @ 116.875	-0.006 @ -15.625 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-61.680 @ 220.000	-0.003 @ -20.000 msec	in	BLPF 300/ 949/ -40
9	STHPV	-30.847 @ 152.500	0.150 @ -20.000 msec	mph	BLPF 300/ 949/ -40
10	STHPD	-52.470 @ 220.000	0.118 @ 8.000 msec	mph	BLPF 300/ 949/ -40
11	LPBXV	-31.650 @ 118.875	-0.003 @ -20.000 msec	mph	BLPF 300/ 949/ -40
12	LPBXD	-59.596 @ 220.000	0.000 @ -20.000 msec	in	BLPF 300/ 949/ -40

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.038 @ -16.000	54.077 @ 82.375 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.025 @ -6.250	42.126 @ 82.625 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.053 @ -11.625	112.468 @ 94.125 msec	g	BLPF 300/ 949/ -40
4	STHRG	0.052 @ -19.375	66.857 @ 106.750 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.027 @ -6.750	23.207 @ 61.250 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC449RP. RAD:1
RD384-4-42 BREED AIRBAG SLED PROGRAM
VRTC 85150 30.00 mph

*** HIC computation for HEDRG1 30-MAY-85 15:27
Using time range = 0.000 to 139.375 msec Peak accel = 54.08 @ 82.375
HIC = 329.89 Interval from 69.375 [716] to 98.250 [947]
HIC = 258.72 Interval from 73.375 [748] to 88.375 [868]

R SYSP:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC449RP

File TRC449RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-42 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC449RP.RAD:1 VRTC RD384-4-42
BREED AIRBAG SLED PROGRAM 30.0 mph 85150 30-MAY-85 15:44:30
Deltax: 0.125

3 MS CLIP PEAK: 41.04468

Please run LSTRAD on this channel for the full time
and give it to the Project manager to double-check peak

Enter channel name -> ^Z

Enter input filespec -> ^Z

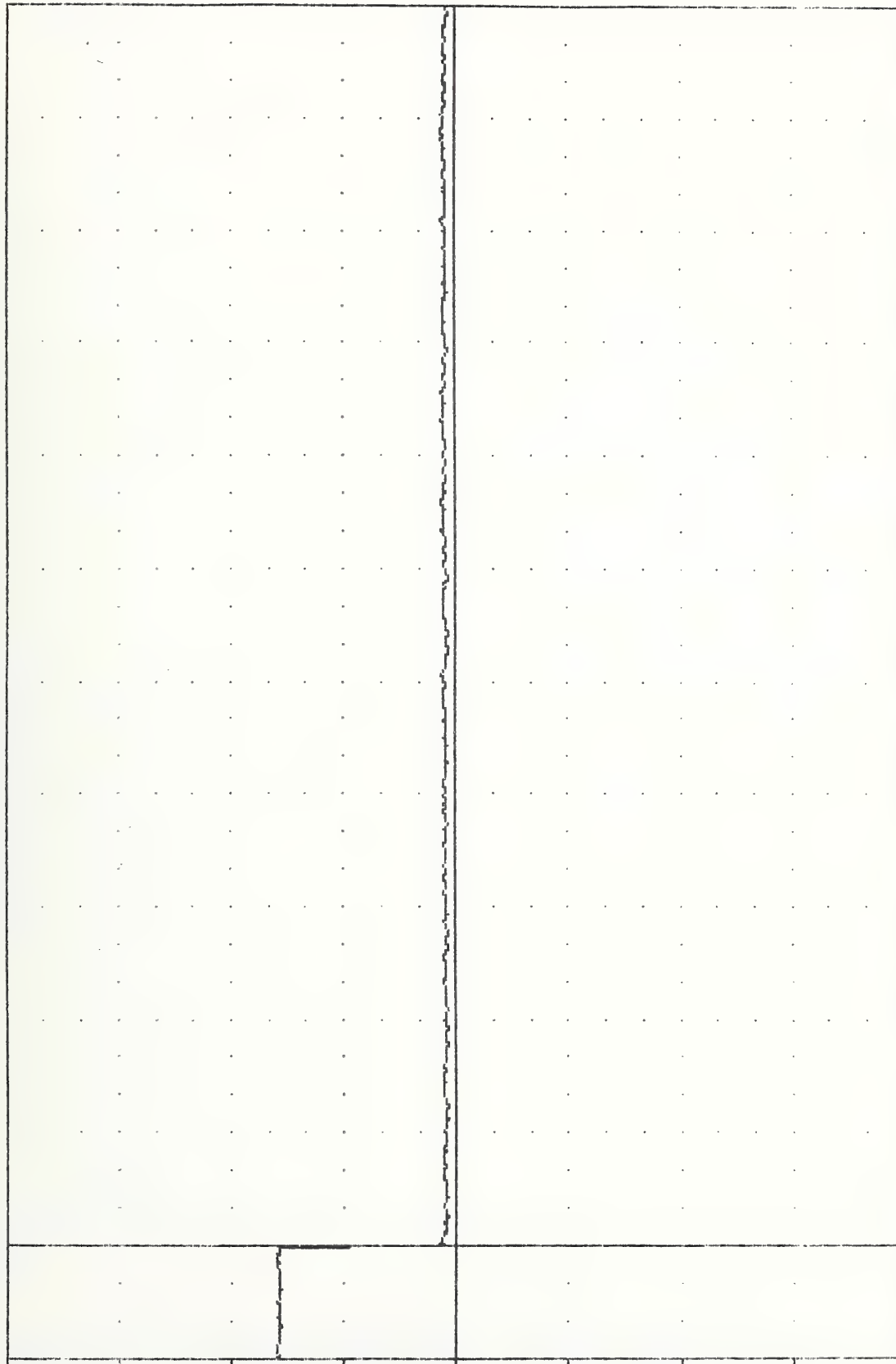
VRTO , R0384-4-42
BREED AIRBAG SLED PROGRAM
85150
EVENT

PLOT DATE 31-MAY-85 08:09:19

FILTER = ALFF 1650/ 5214/ -40

MIN. MAX VALUES = 0.078 54.88 , 1.61 2 -18.25

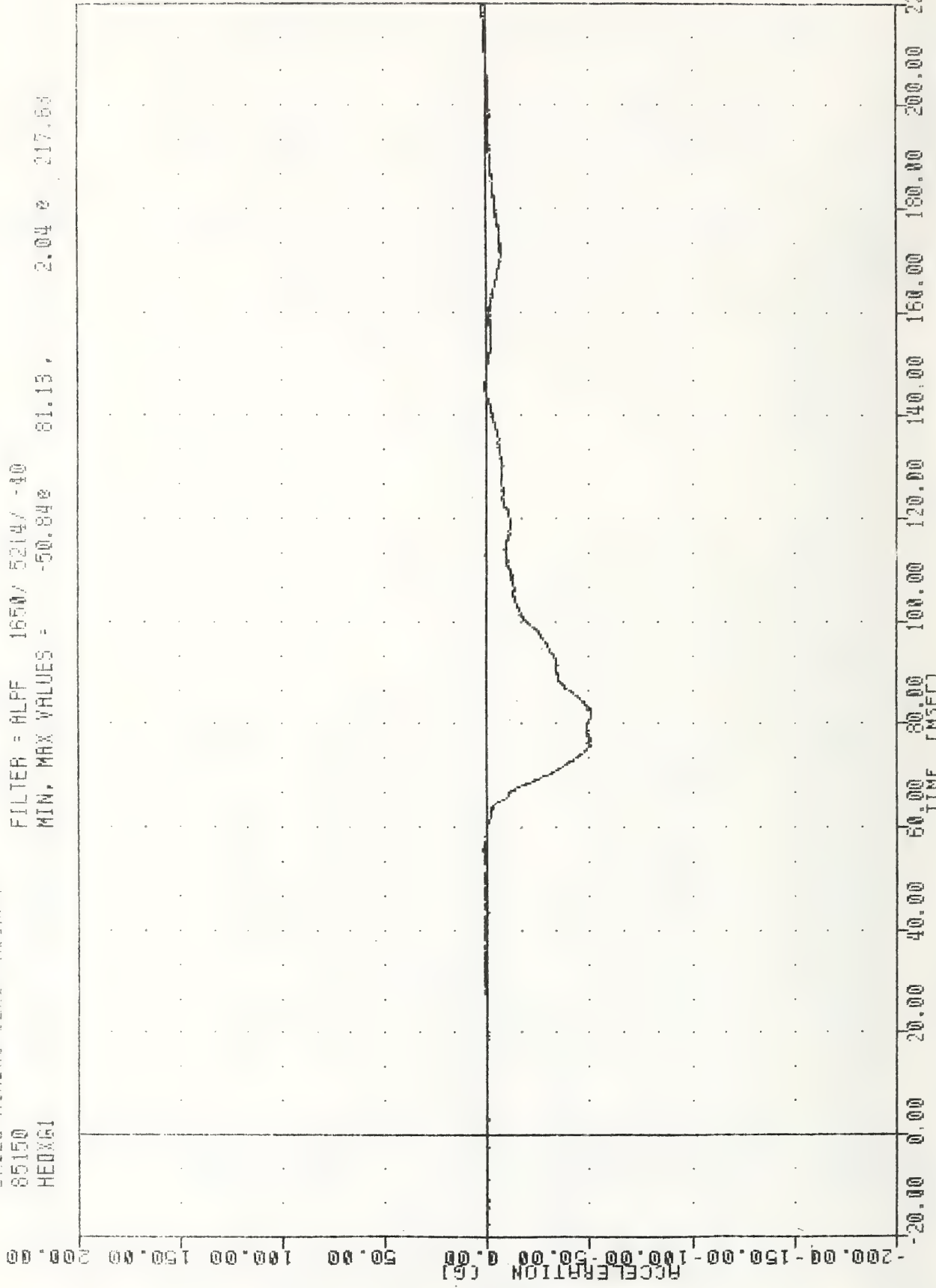
VOLTAGE (VOLT)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
EVENT

VRTU , 80304-4-42
 BREED AIRBAG SLEO PROGRAM
 85150
 HEDX61

FLOT DATE 31-MAY-85 08:02:14
 FILTER = ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = -50.848 81.13, 2.048 217.68



586

CHEVROLET IMPALA SLEO TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION X AXIS

VRTC RD384-4-42
BREED AIRBAG SLED PROGRAM
85150
HEDXV1

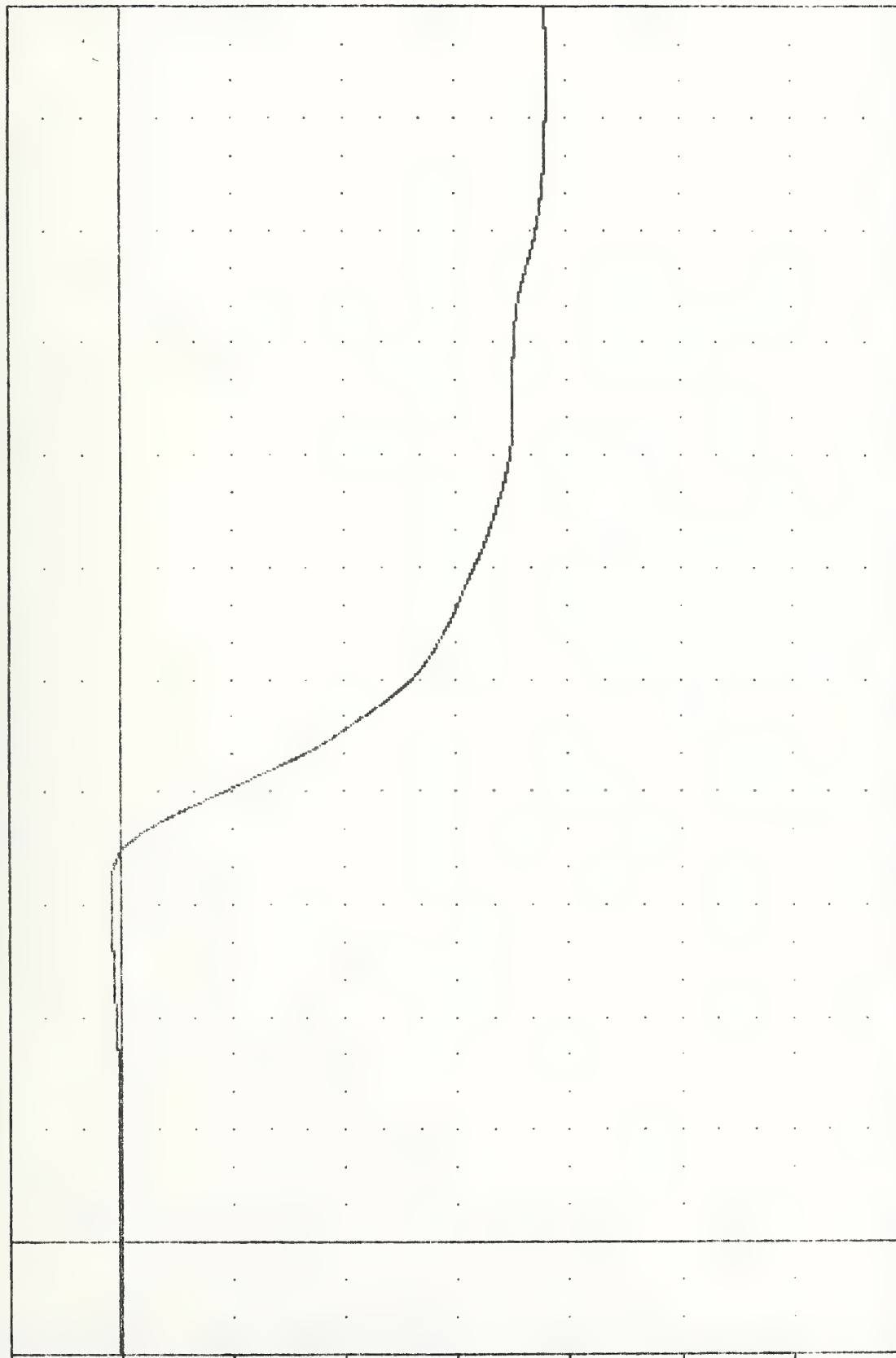
PLOT DATE 31-MAY-85 08:11:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -38.25 207.75, 0.88 61.13

10.00
-70.00
-60.00
-50.00
-40.00
-30.00
-20.00
-10.00
0.00

VELOCITY (MPH)



20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (msec)

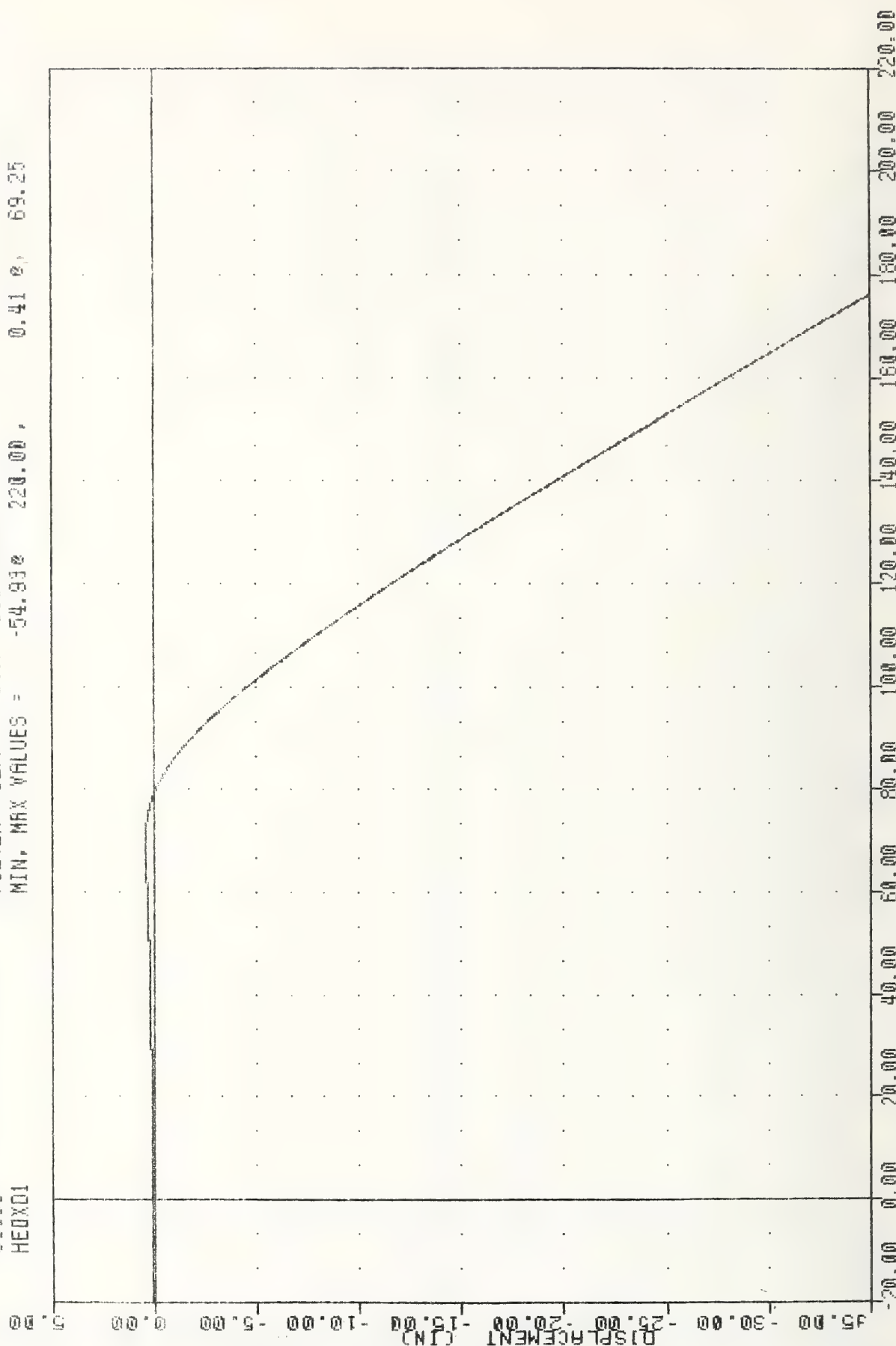
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRTC , RD384-4-A2
 BREED AIRBAG SLED PROGRAM
 85150
 HEDX01

PLOT DATE 31-MAY-85 08:11:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -54.930 220.00, 0.410, 69.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

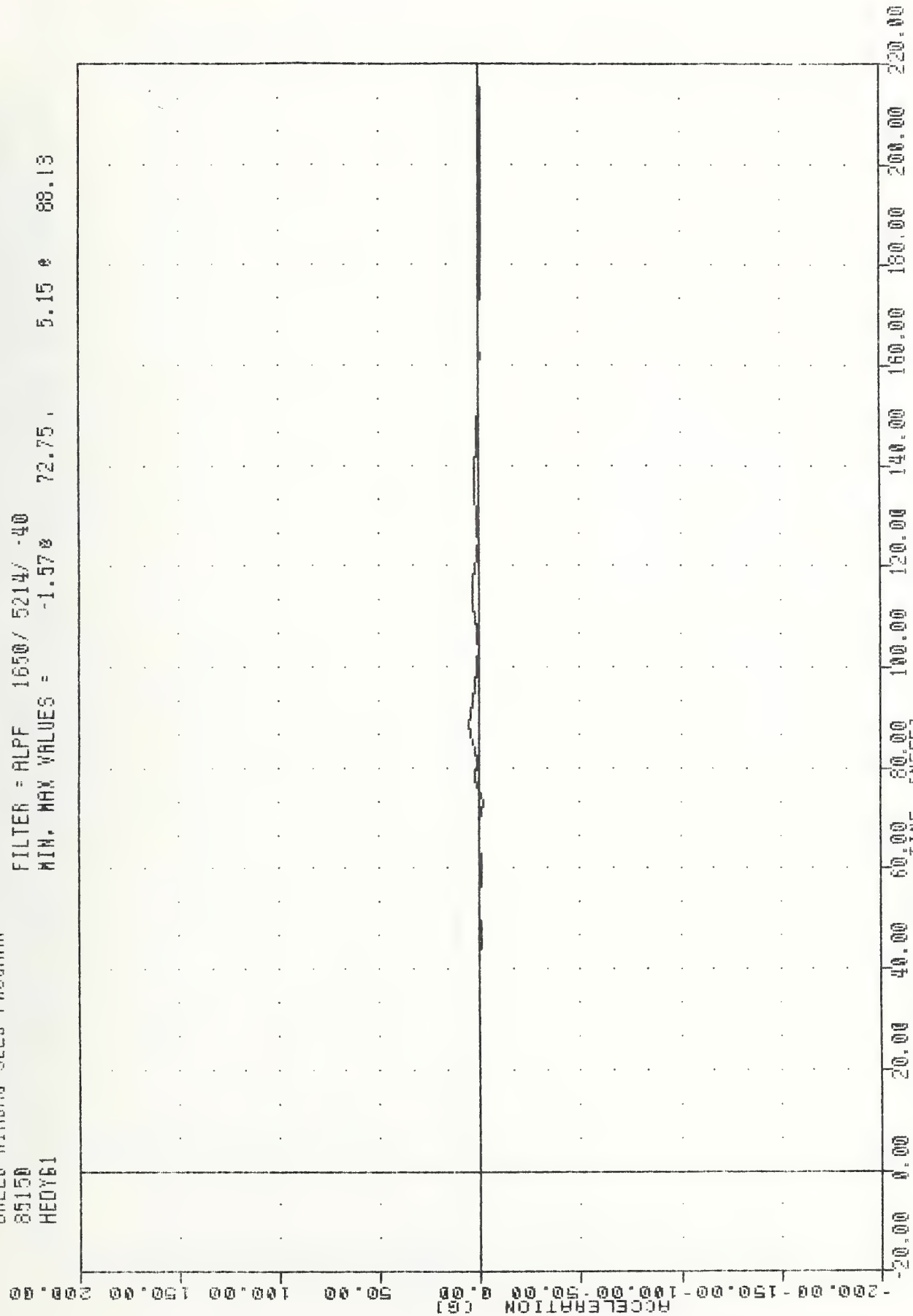
DELTA X USING HEDXV1

VRTC RD384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 HEDY61

PLOT DATE 31-MAY-85 08:09:19

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -1.57g 72.75 , 5.15 g 88.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

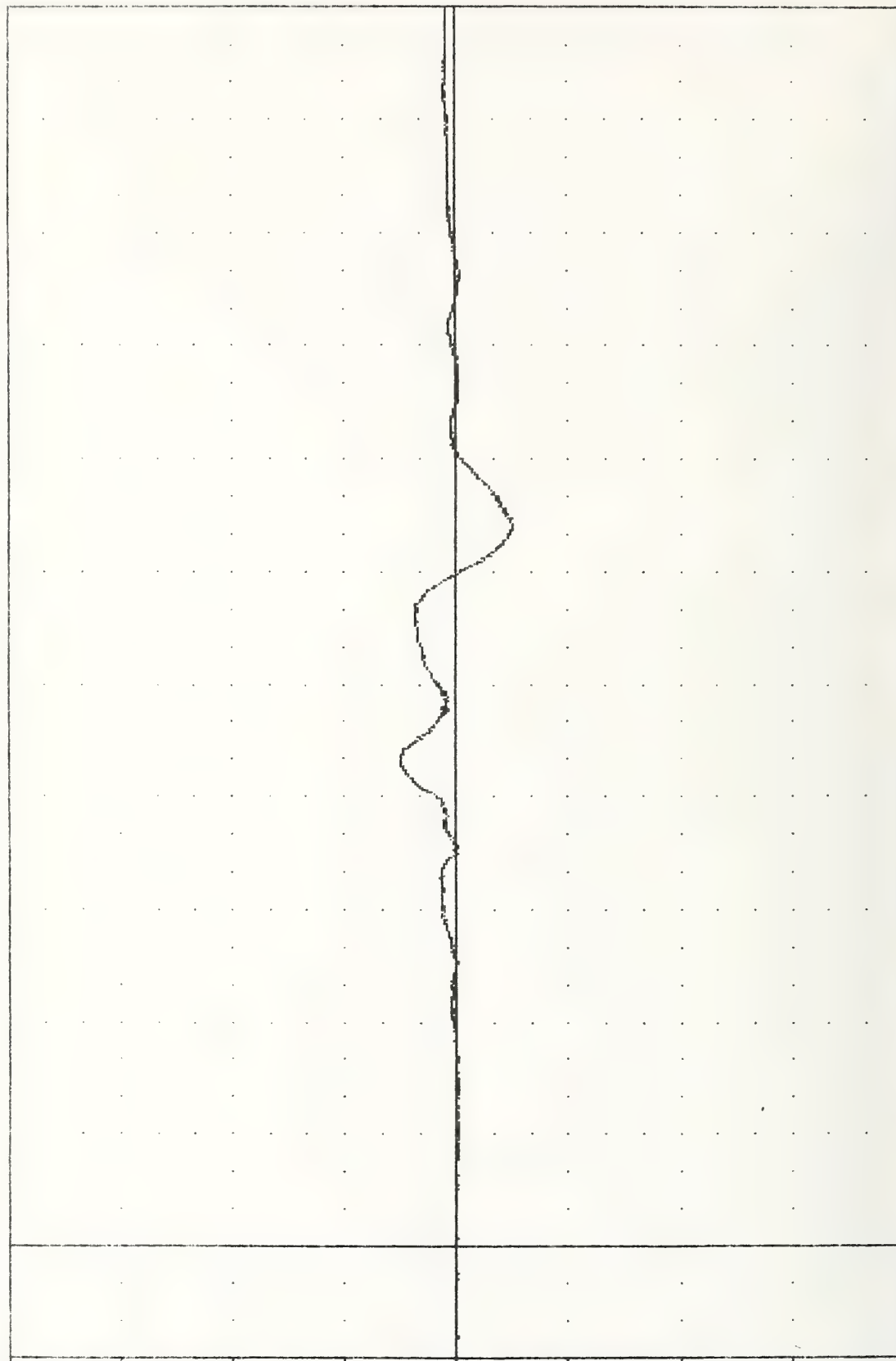
VRTO
 BREED AIRBAG SLED PROGRAM
 85150
 HEDZG1

PLT DATE 21 MAR 85 08:05:19

FILTER = ALPF 1850/ 5214/ -40

MIN. MAX VALUES = -25.52 128.38, 25.03 87.13

ACCELERATION (G)



TIME (MSEC)

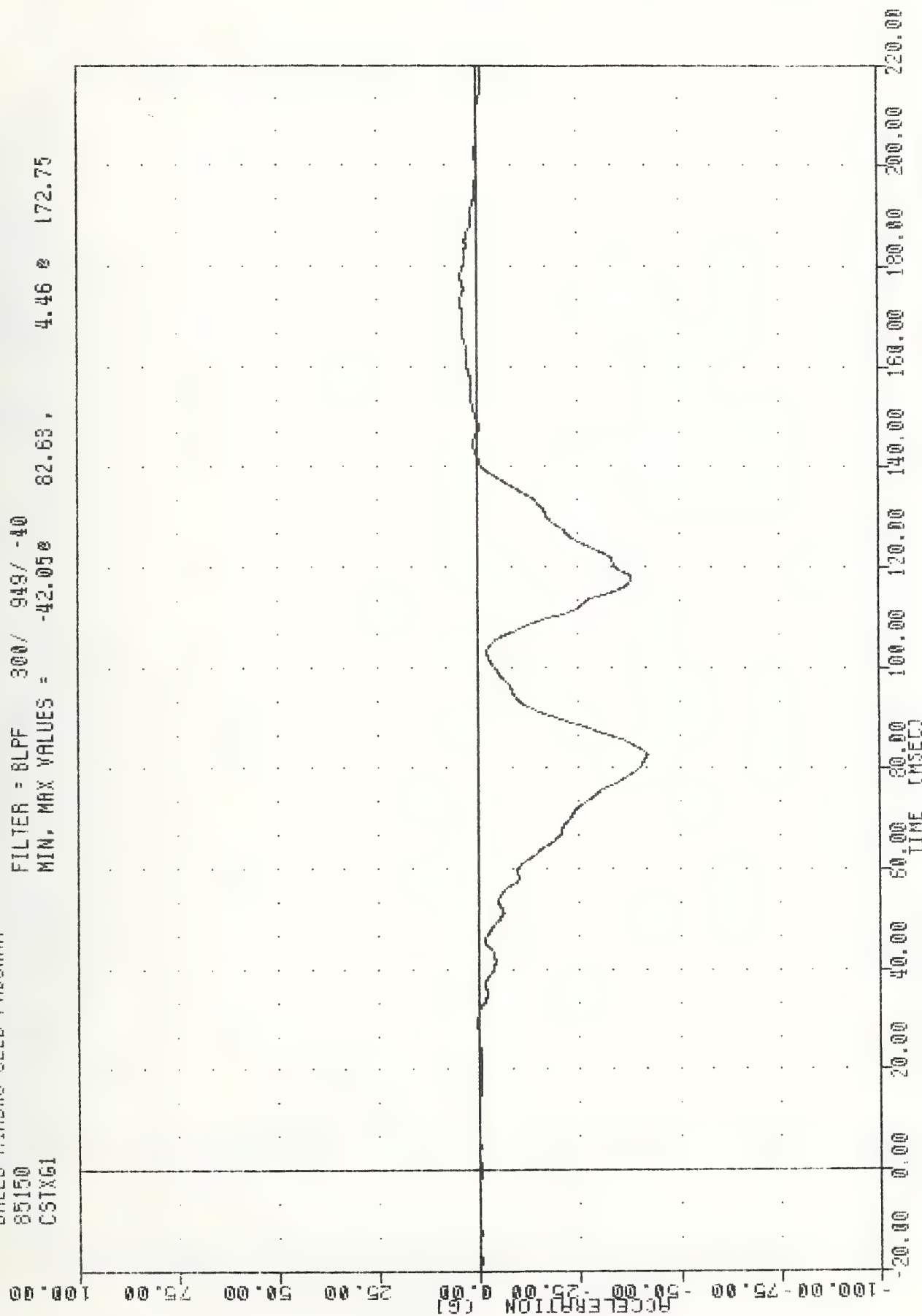
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Z AXIS

VRIC . RD384-4-42
BREED AIRBAG SLED PROGRAM
85150
CSTXG1

PLOT DATE 31-MAY-85 08:08:19

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -42.050 82.63, 4.46 172.75



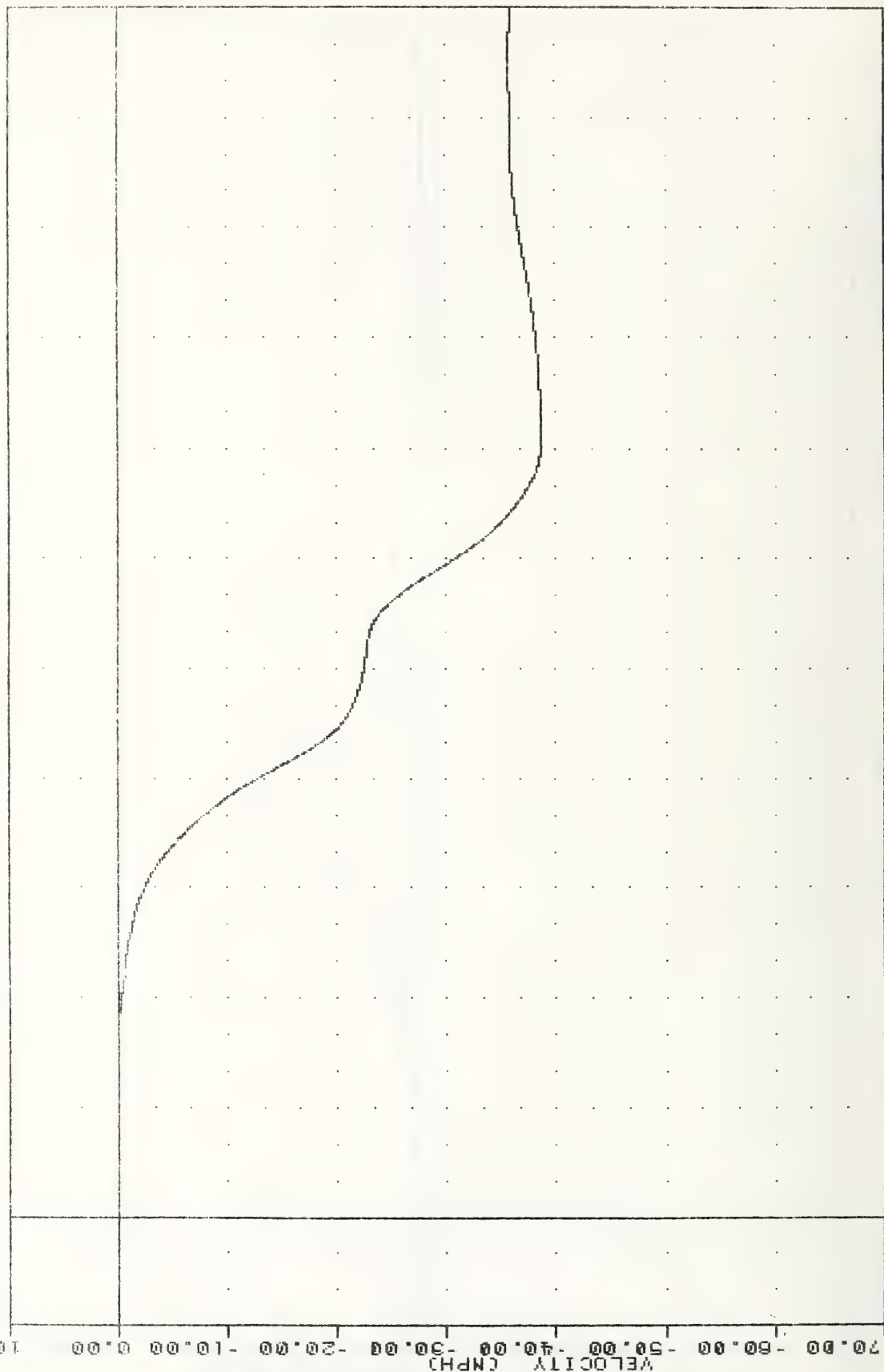
VATC , RD384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 CSTXV1

PLOT DATE 31 MAY 85 08:11.46

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -38.62e 141.88 , 0.04 e , -3.00

10.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

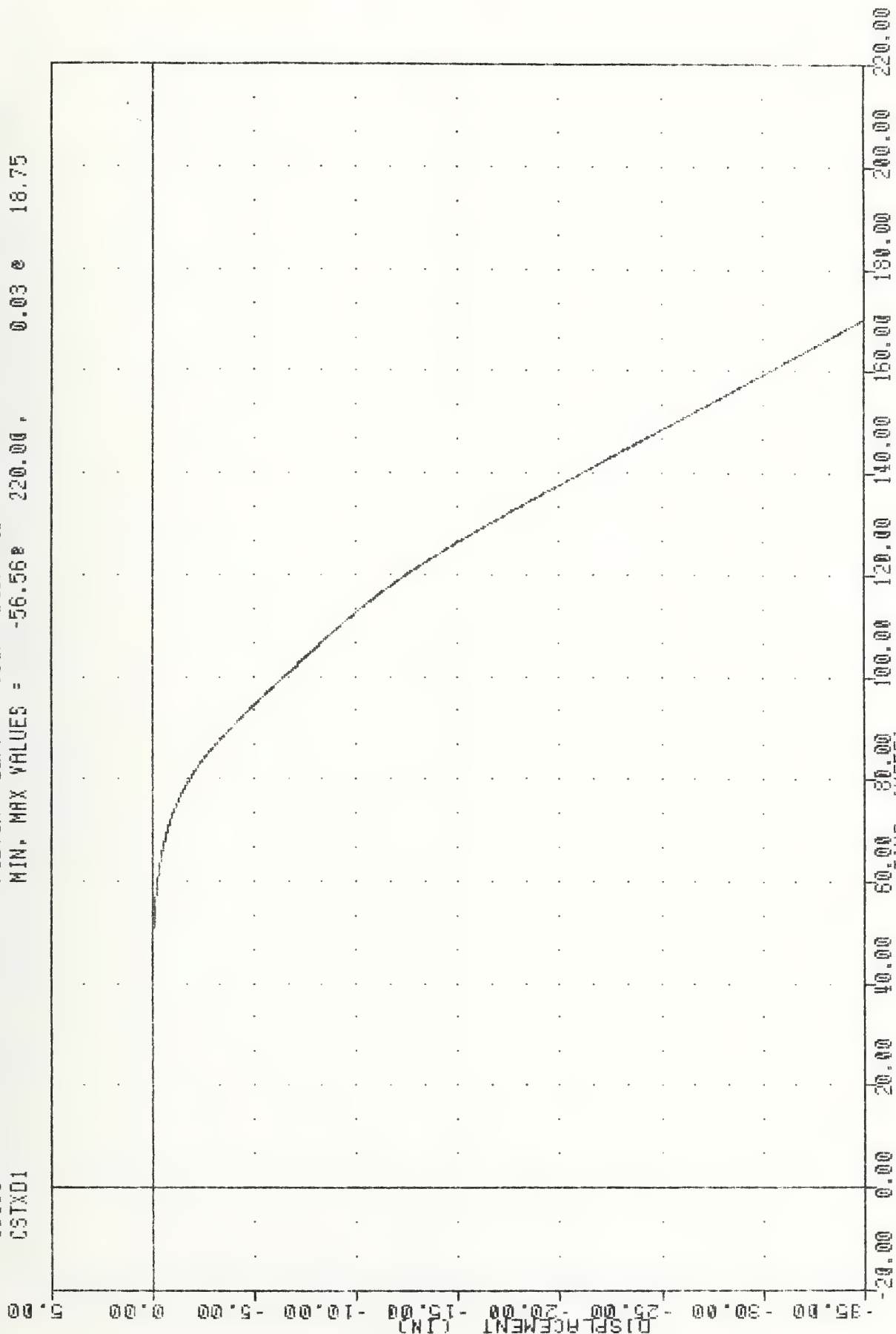
DELTA Y USING CSTXV1

VRTC , RD384-4-42
 BREED AIRBAG SLED PROGRAM
 05150
 CSTXD1

PLOT DATE 31-MAY-85 08:11:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -56.56e 220.00, 0.03 e 18.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING CSTXV1

VATO , R0304-4-42
 BREED SLEDDING PROGRAM
 85150
 CSTY61

PLUT DATE 31-MAY-85 08:09:19

FILTER = BLFF 300/ 949/ -40
 MIN. MAX VALUES = -1.740 145.13 4.30 104.88

100.00

75.00

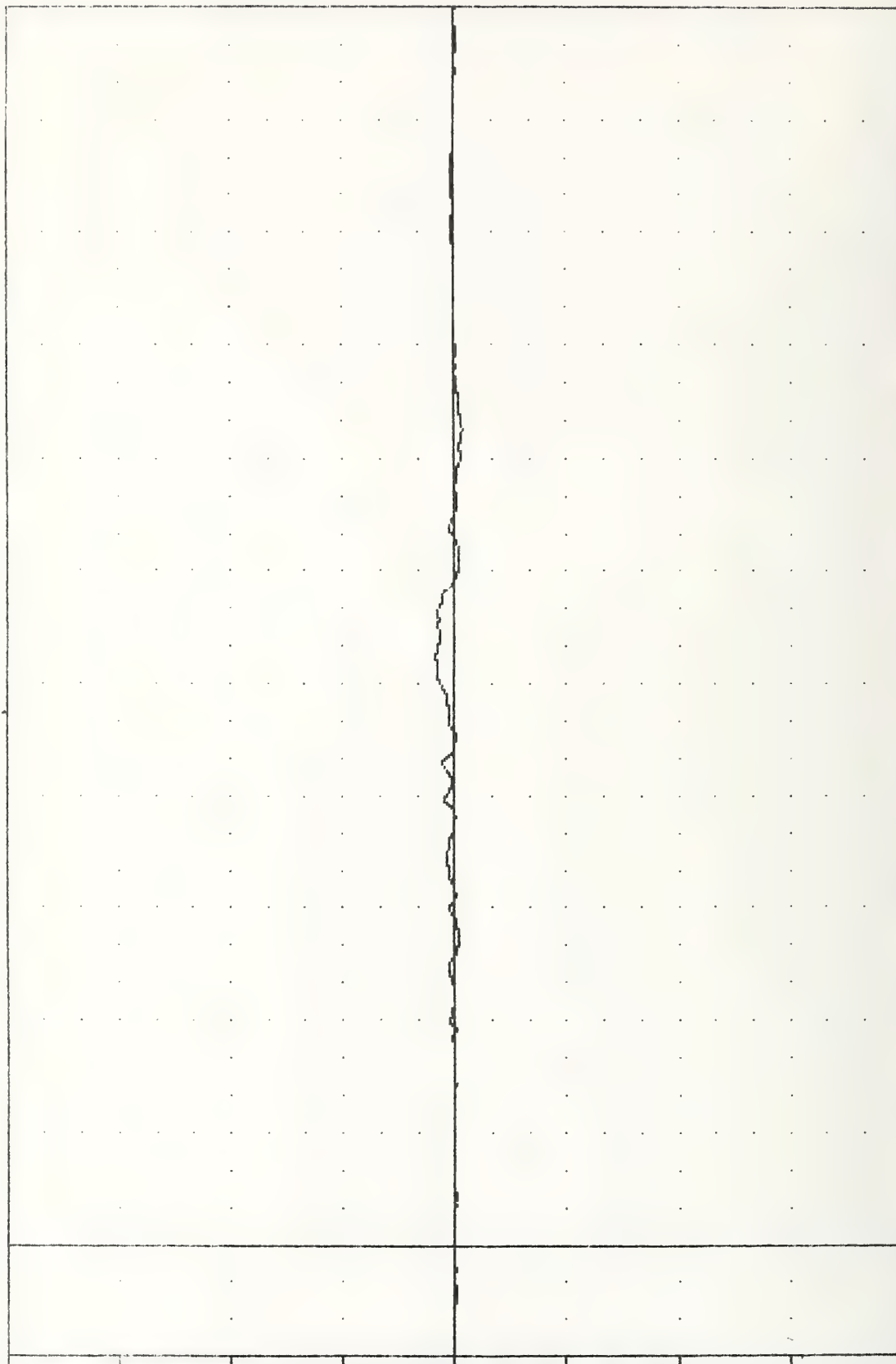
50.00

25.00

0.00

ACCELERATION

594



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

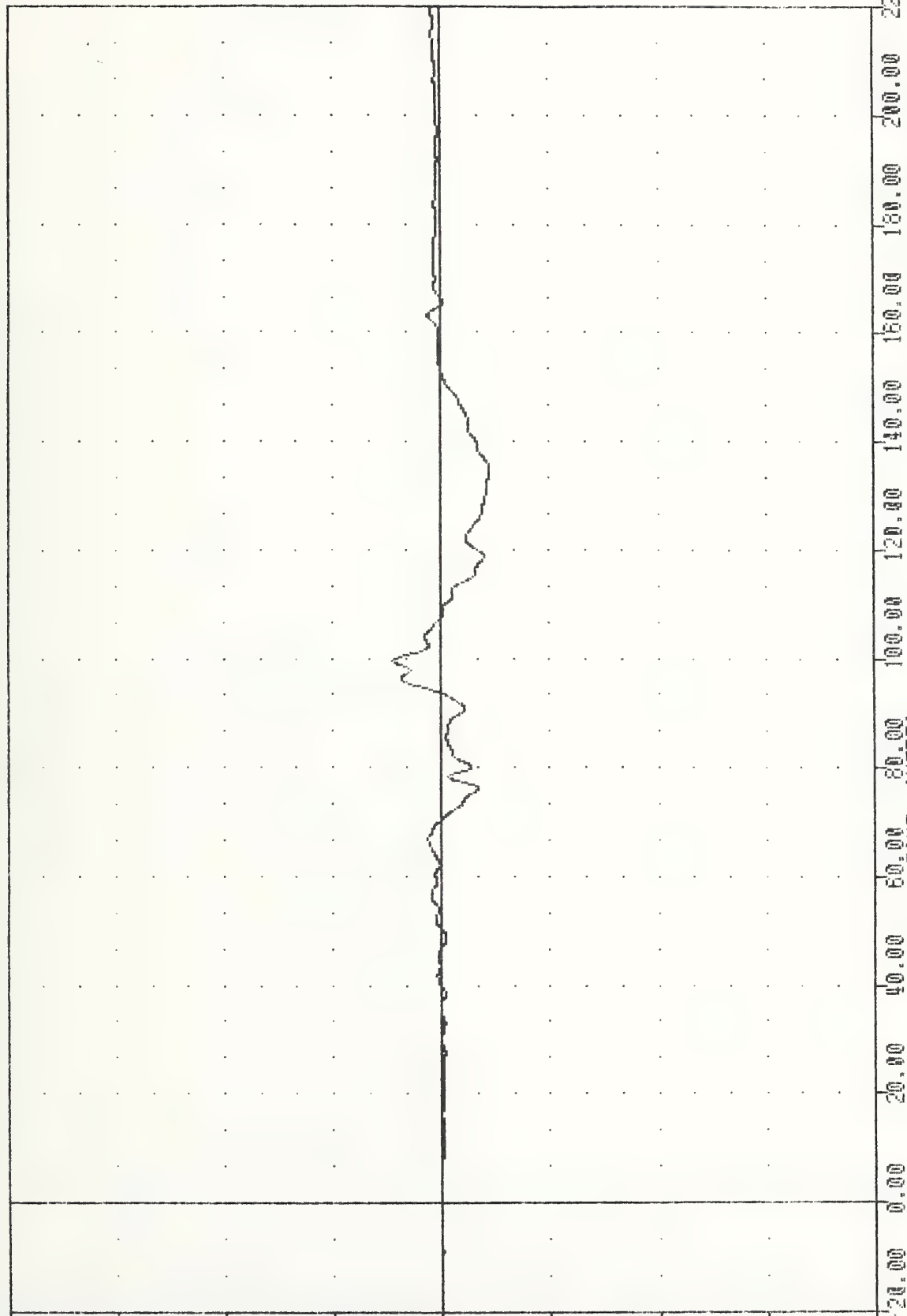
VRTC , R0384-4-42
BREED AIRBAG SLED PROGRAM
85150
CSTZG1

PLOT DATE 31-MAY-85 08:09:19

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -11.19e 134.63, 11.12 e 99.50

ACCELERATION (G)



0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

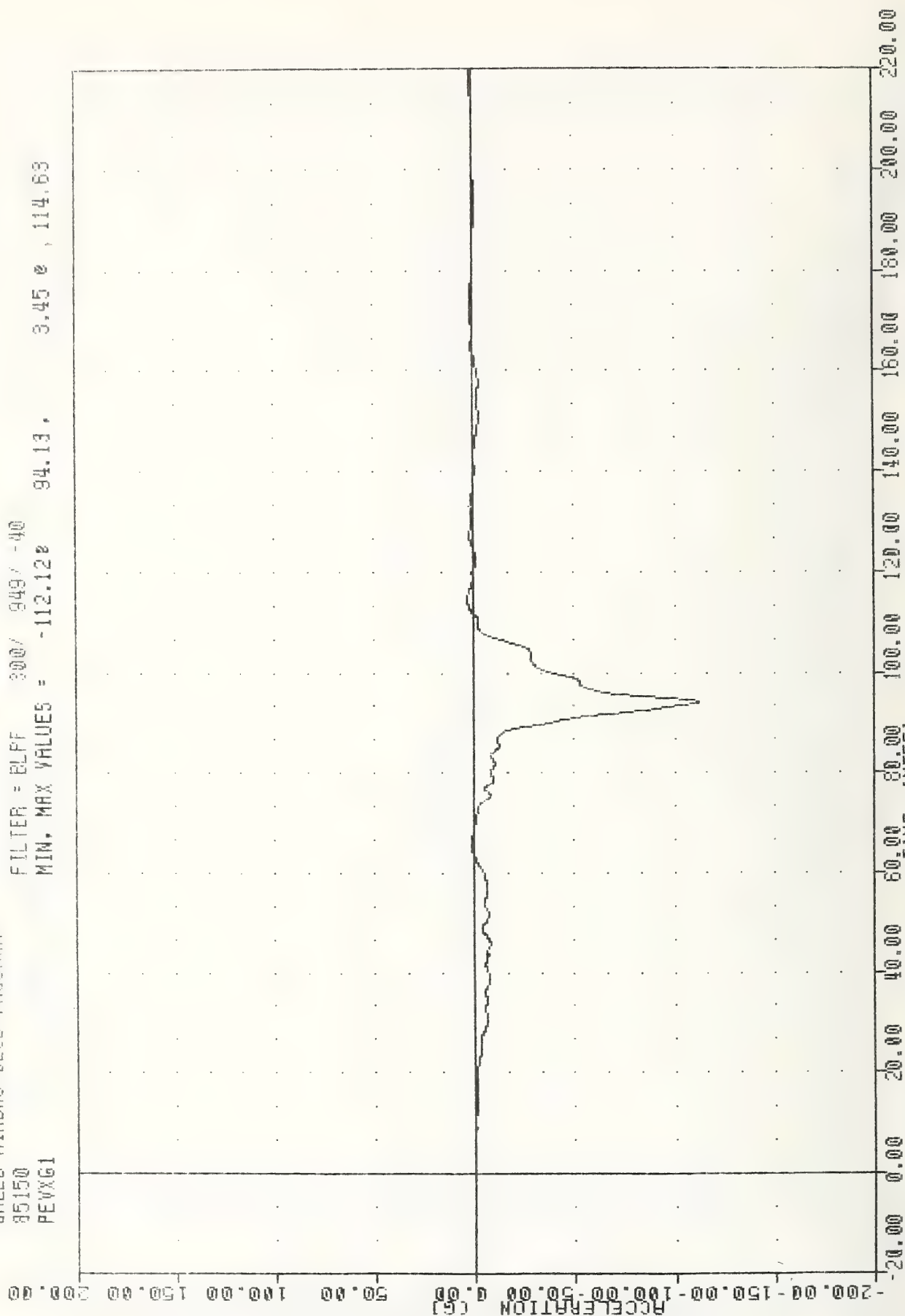
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

VRIC
BREED AIRBAG SLED PROGRAM
85150
PEVXG1

PRINT DATE 21-MAY-85 00:04:19

FILTER = BLFF 3007 9497 -40

MIN. MAX VALUES = -112.128 94.13 3.45 0 114.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

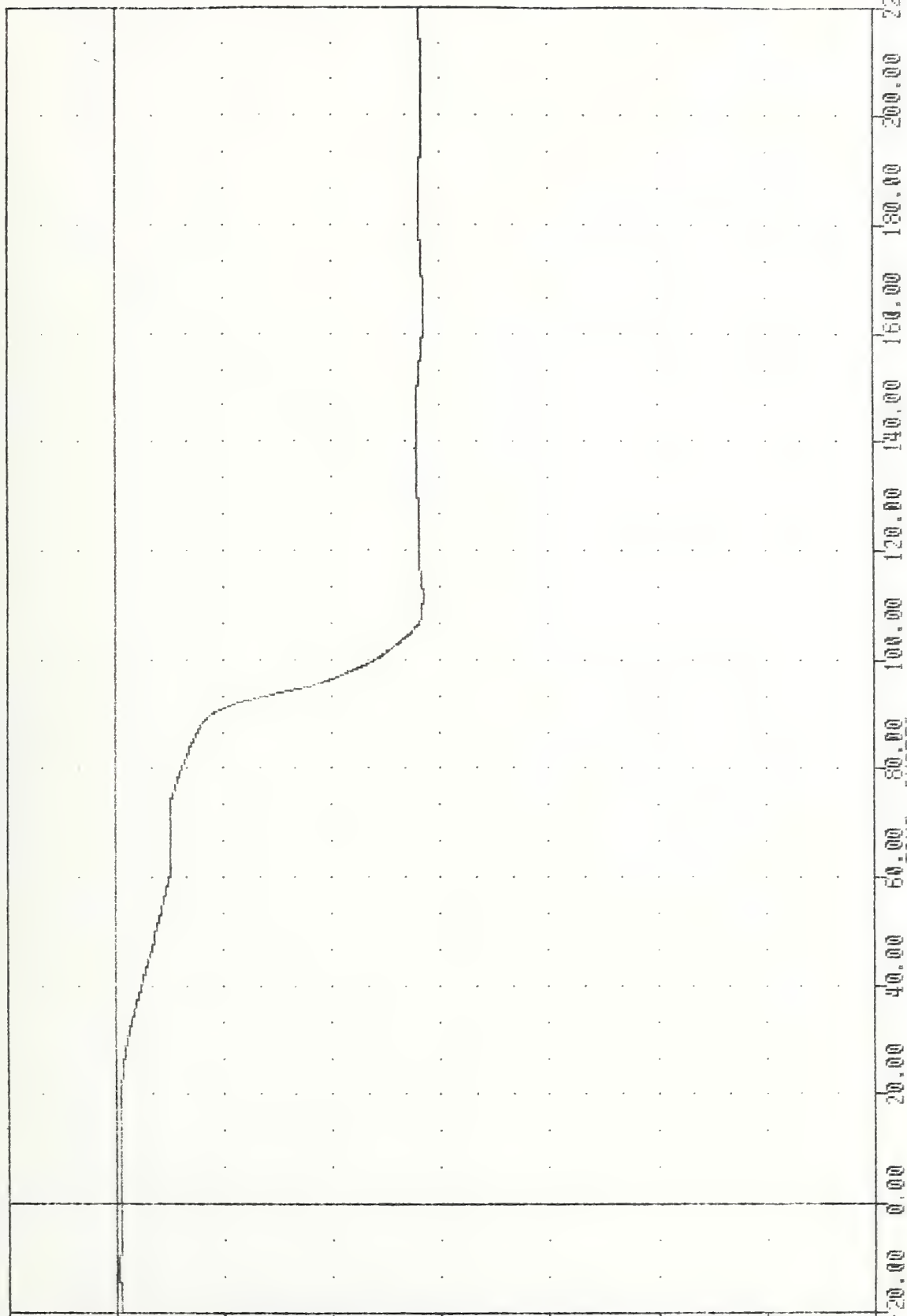
VRTC , RD384-4-42
BREED AIRBAG SLED PROGRAM
85150
PEVXV1

PLOT DATE 31-MAY-85 00:11:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -28.46 163.38 -0.36 11.63

VELOCITY (MPH)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

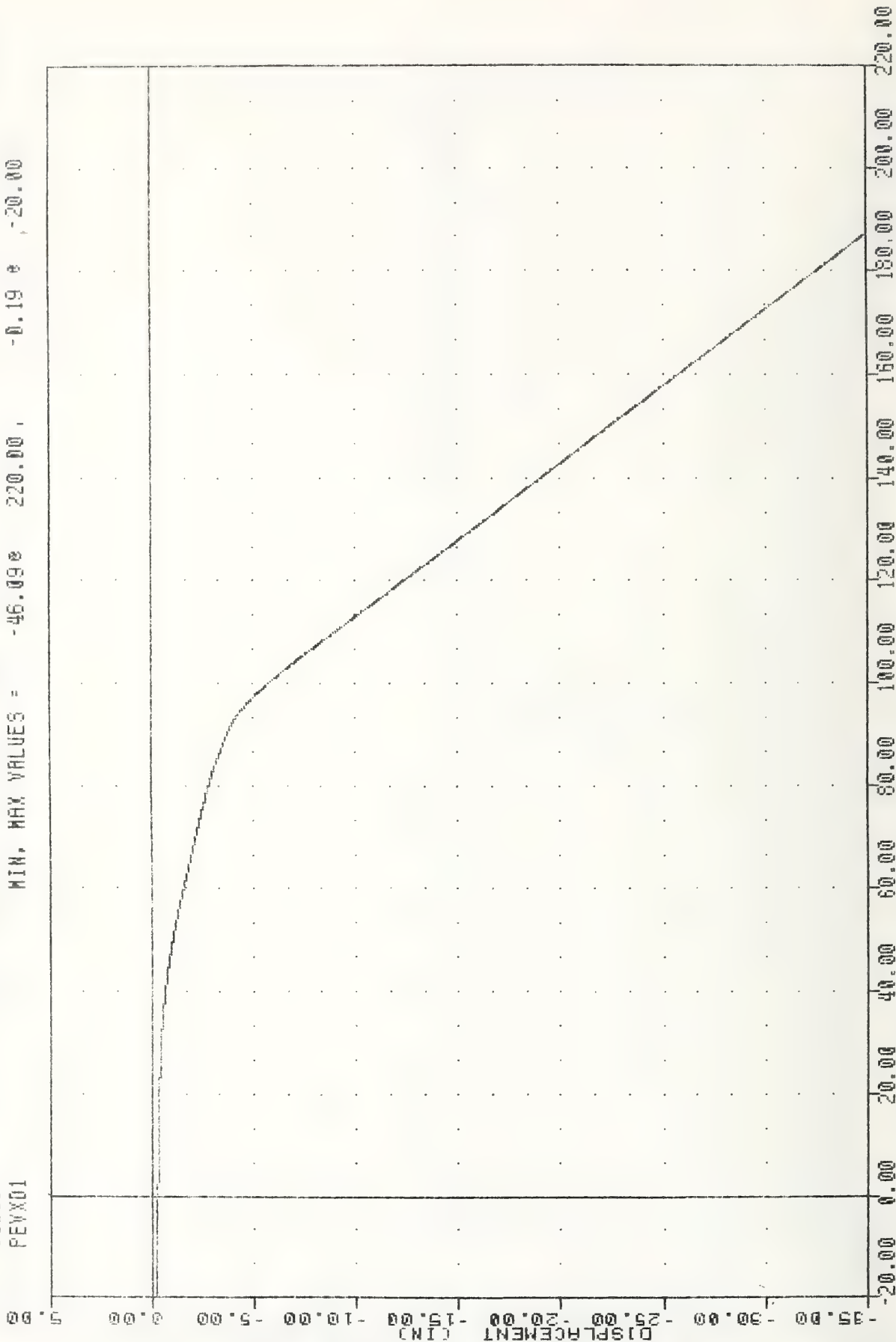
DELTA V USING PEVXV1

VRFC
BREED AIRBAG SLED PROGRAM
05150
PEVX01

PLOT DATE 31-MAY-85 05:11:45

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -46.09e 220.00, -0.19 e -20.00



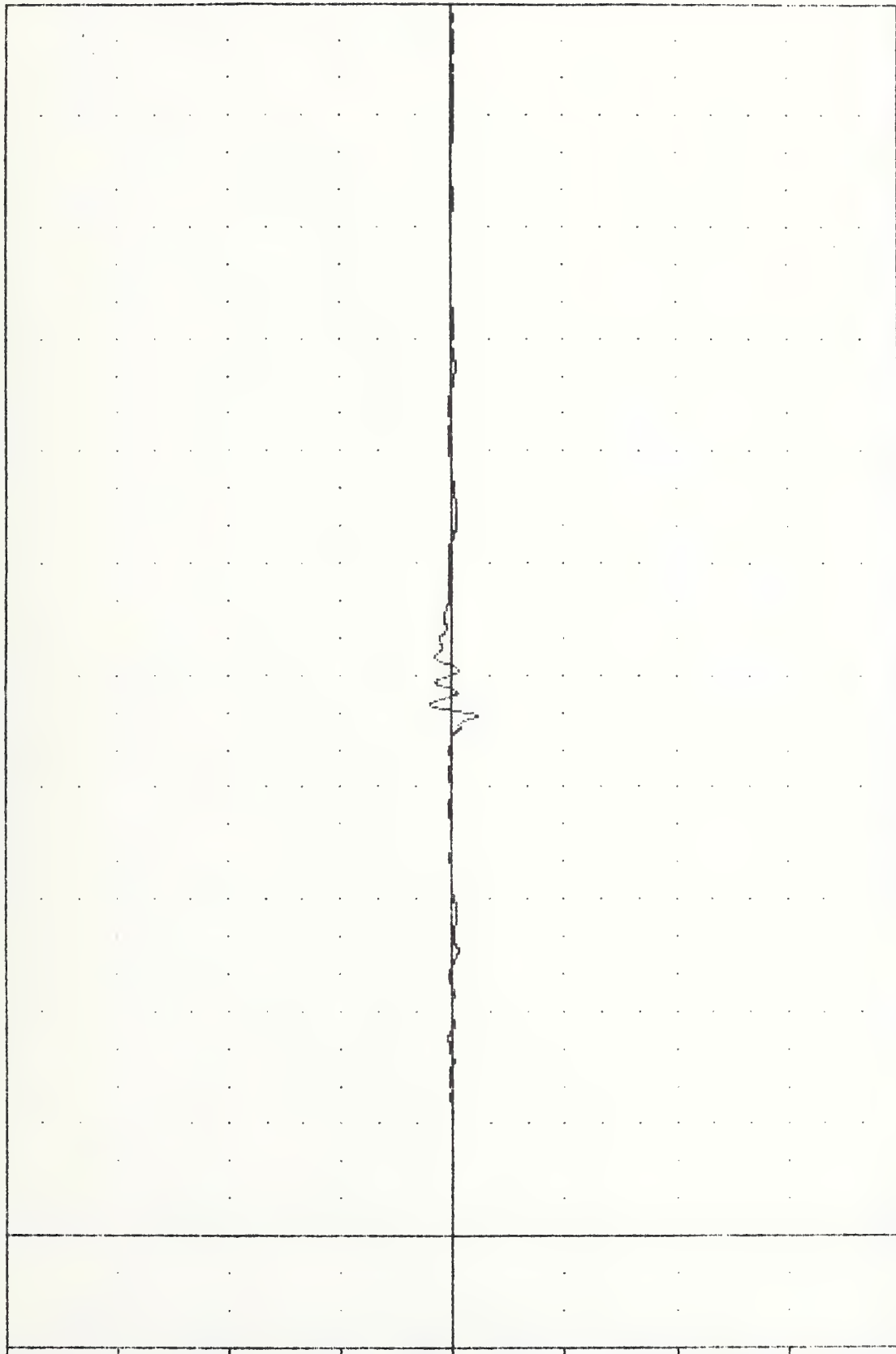
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

DELTA X USING PEVXVI

V81C
 BREED AIRBAG SLED PROGRAM
 85150
 PEY761

RUN DATE 30-MAY-85 00:03:13
 FILTER = SLPF 300/ 949/ -40
 MIN. MAX VALUES = -11.610 92.75, 9.98 94.75

ACCELERATION (G)

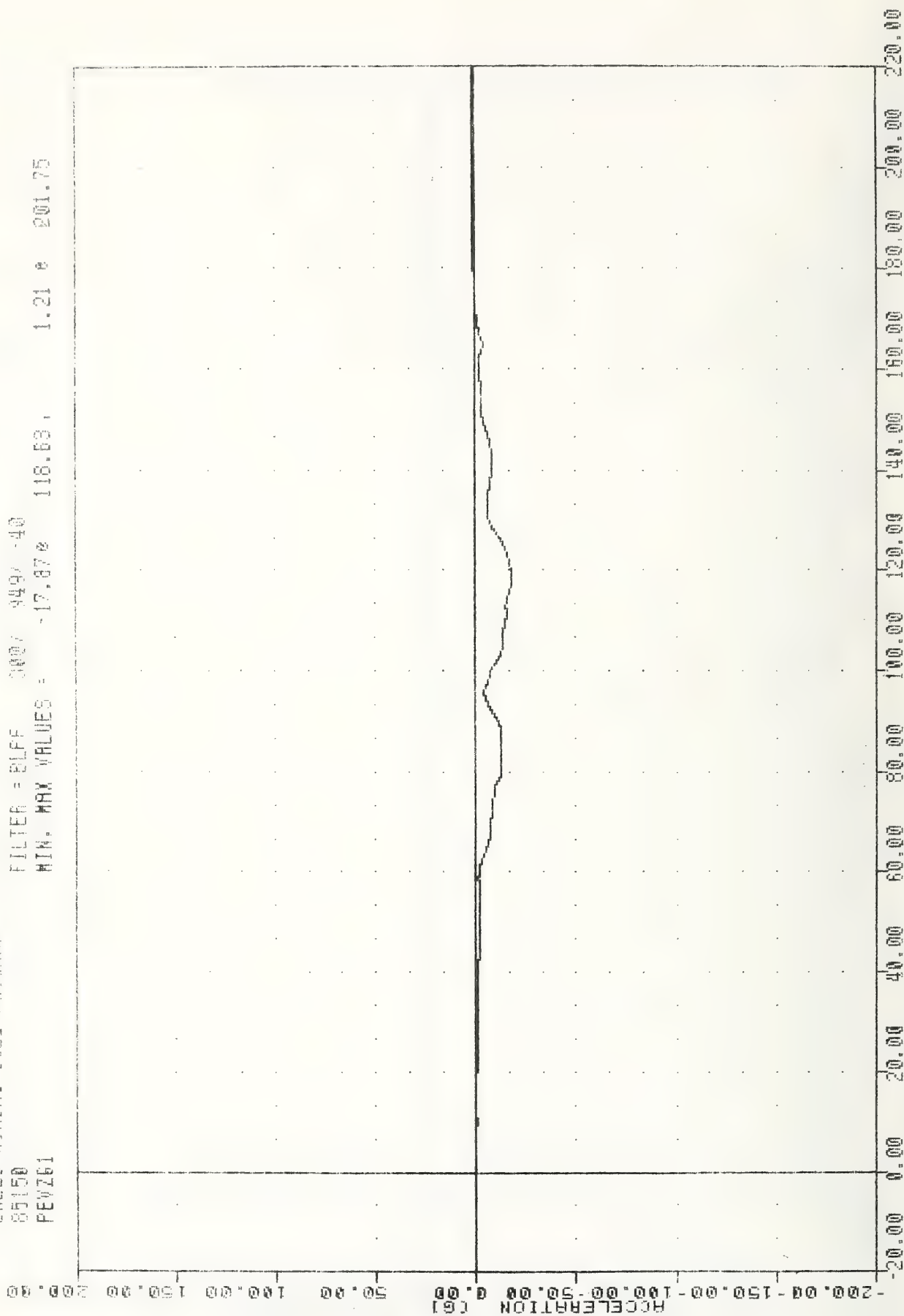


-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00
 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 CHEVROLET IMPALA SLED TEST : 30 MPH : 50TH PERCENTILE DUMMY
 DRIVER PEY761S ACCELERATION (G)

WATL 103004Z
RRRRR 11000Z
00150
RRRZ
RRRZ

[illegible][illegible]

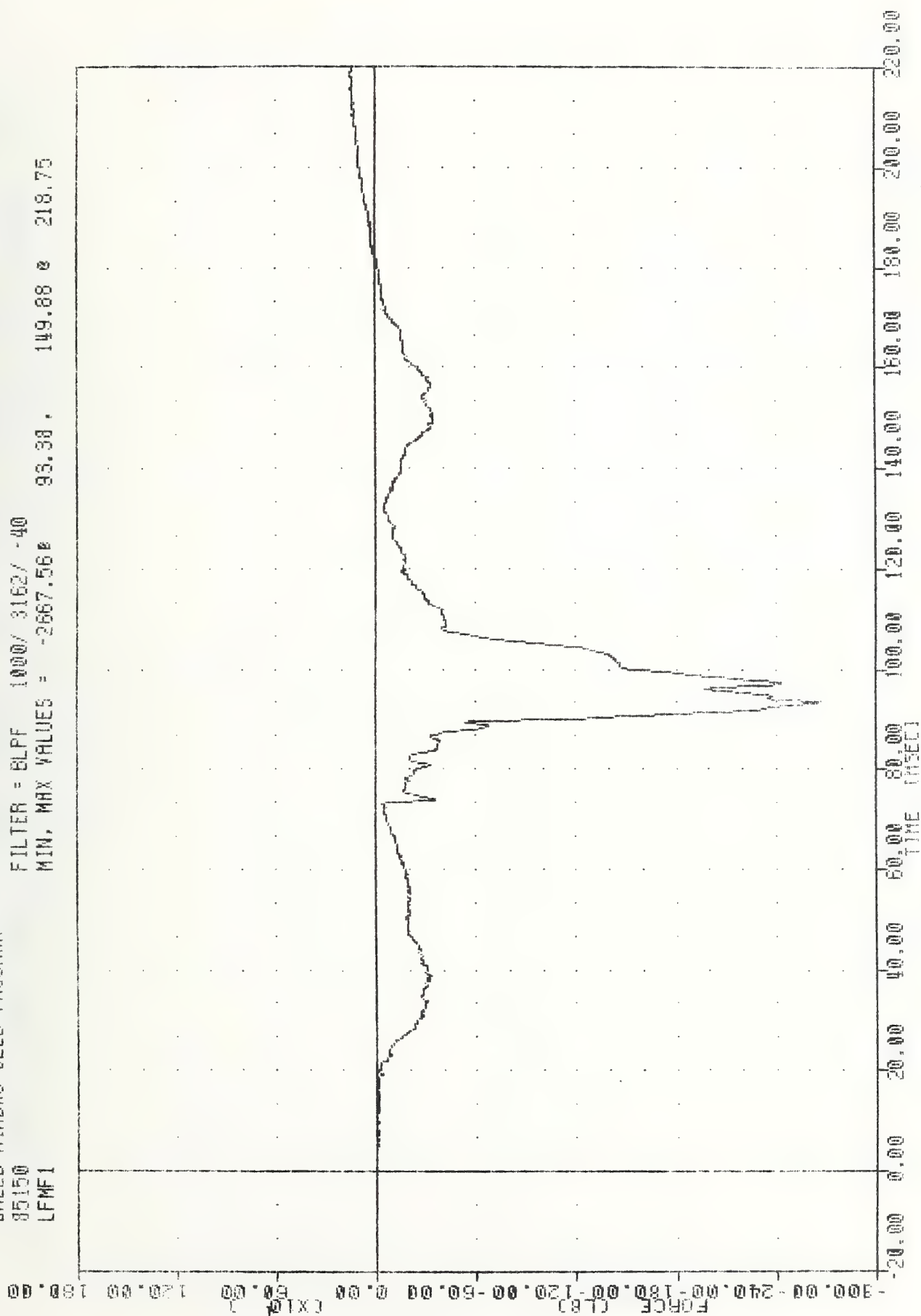
MIN. MAX VALUES	17.878	118.63	1.218	201.75
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VRIC , RD384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 LFMF1

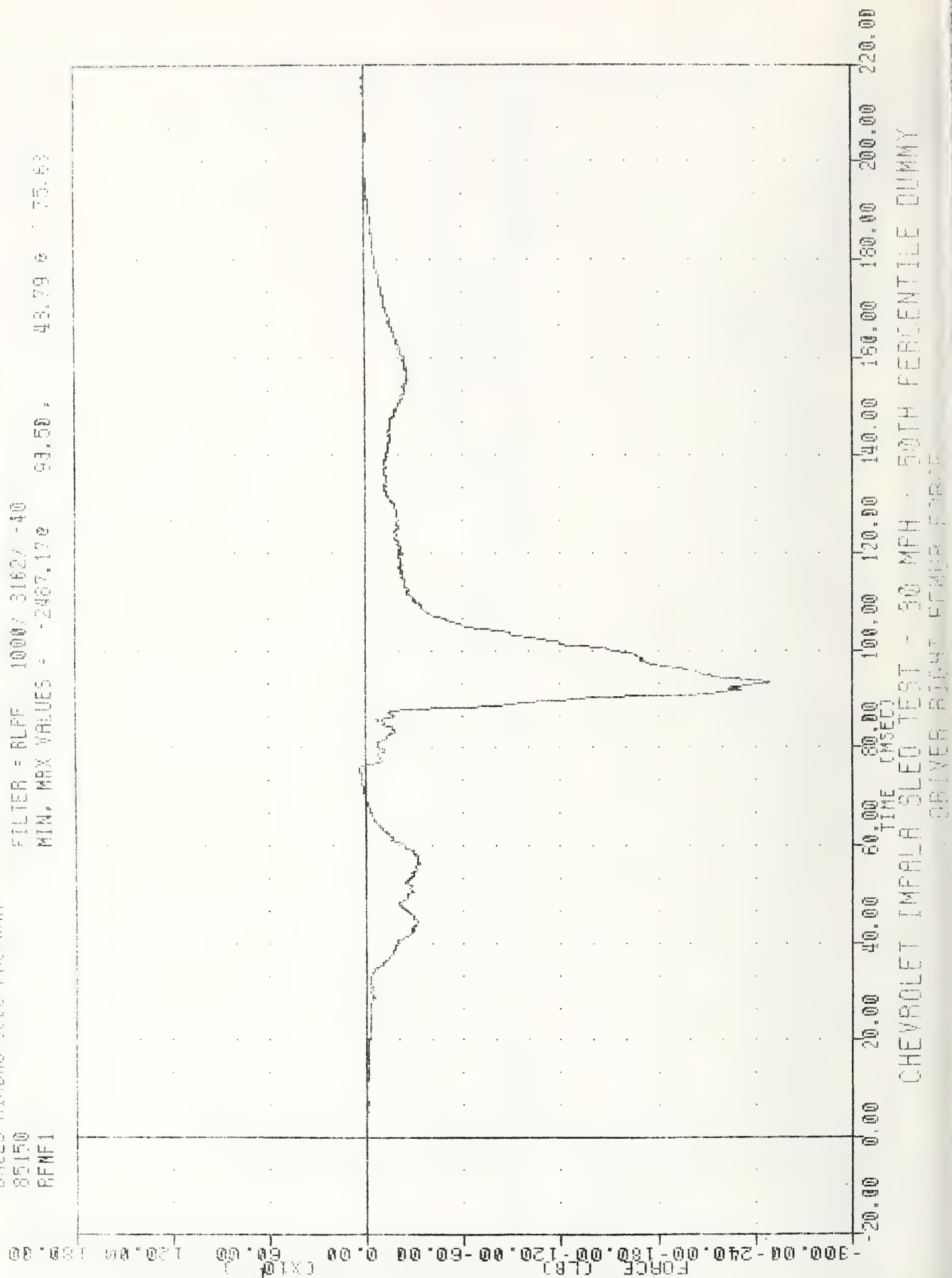
PLOT DATE 31-MAY-85 08:09:19

FILTER = BLPF 1000/ 3162/ -40
 MIN, MAX VALUES = -2667.56 93.38 , 149.88 @ 218.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 FORCE LEFT PENUR FORCE

VRTC : RUSSE 4-12
 SPEED AIRBAG SLED PROGRAM
 85150
 RFMFI
 FILTER = BLPF 1000/ 3162/ -40
 MIN, MAX VALUES = -2487.17e 93.50, 43.79 e 75.53



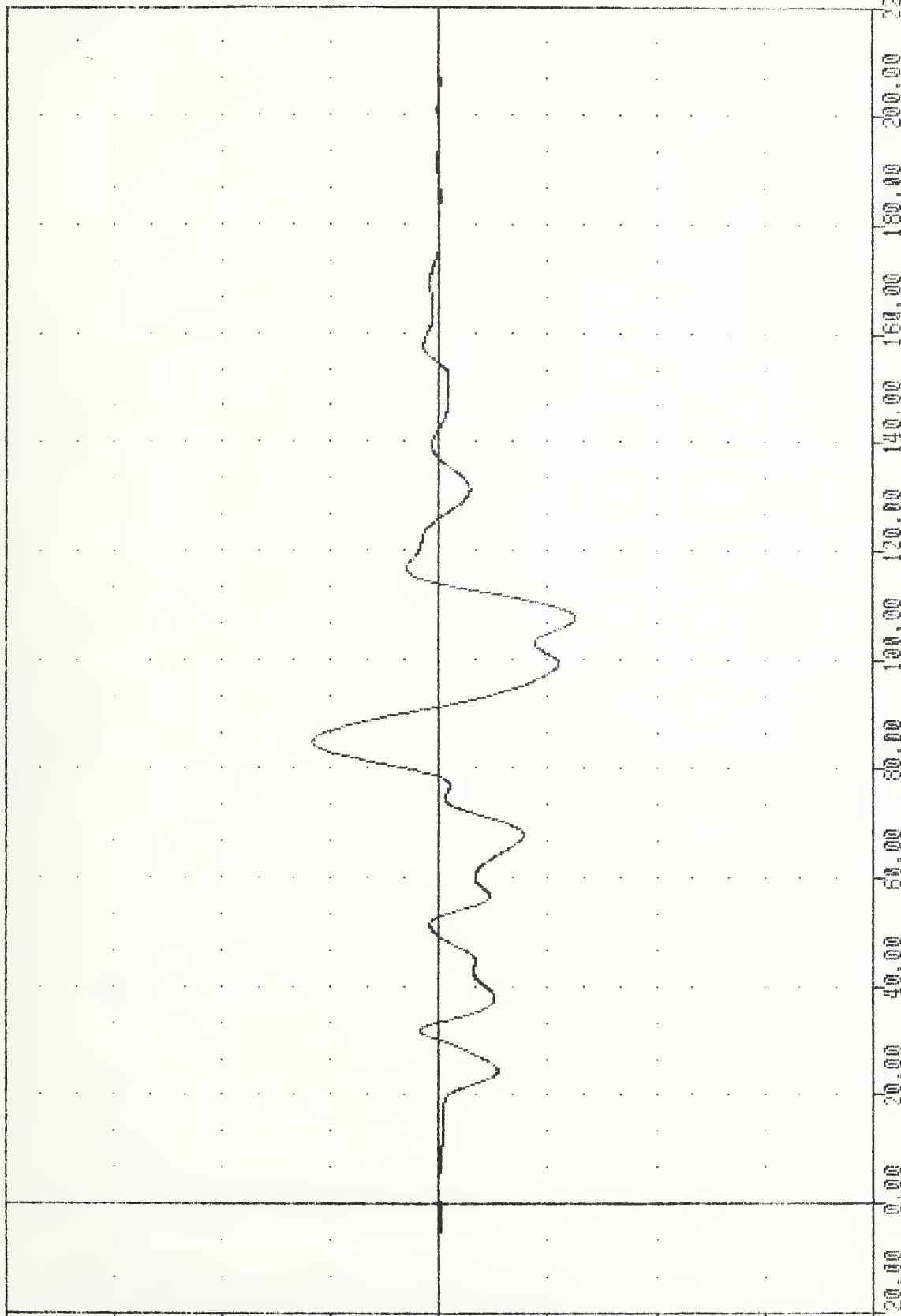
VRTC , R0384-4-42
BREED AIRBAG SLED PROGRAM
85150
STHPC

PLOT DATE 31-MAY-85 08:09:19

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -62.64 107.50 58.21 84.88

ACCELERATION (G)



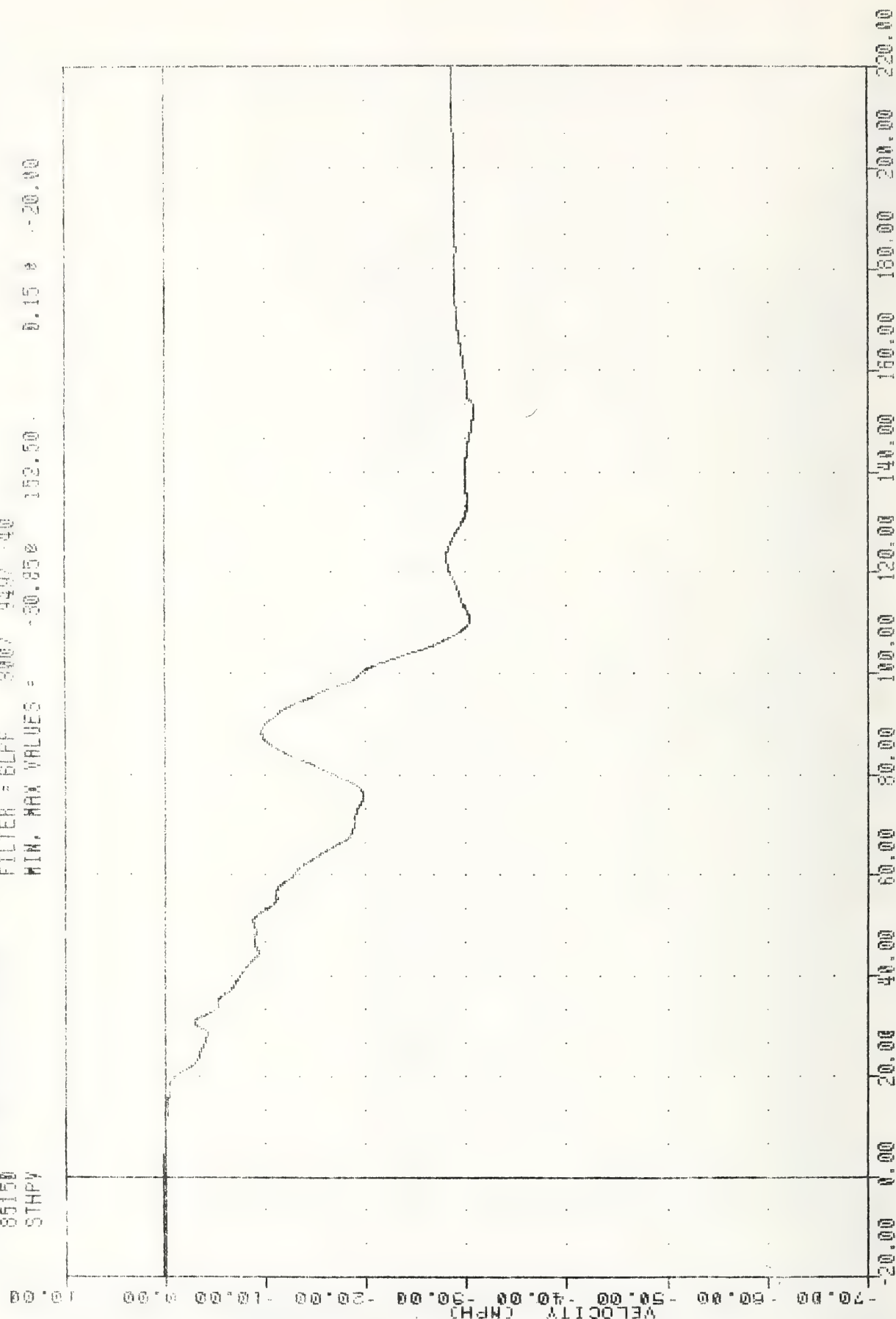
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION R-P AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85150
STHPV

PLUT DATE 01-00-75 04:11:45

FILTER = BLFF 800/ 949/ -40

MIN. MAX VALUES = -50.850 152.50 0.15 0 -20.00



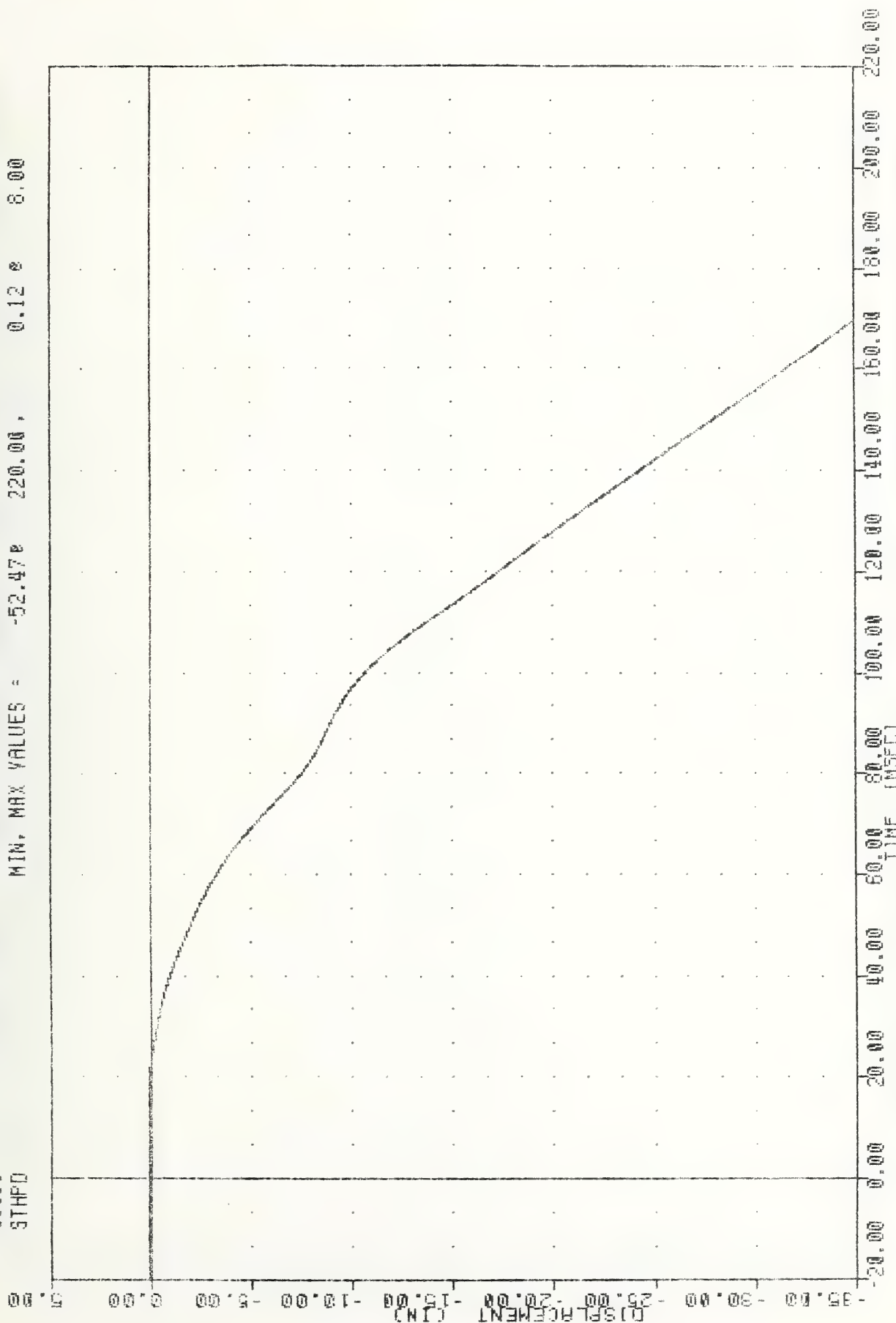
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

CELIA V 115710 74005

VRTO , RD384-4-42
BREED AIRBAG SLED PROGRAM
85150
STHPD

PLOT DATE 31-MAY-85 08:11:08

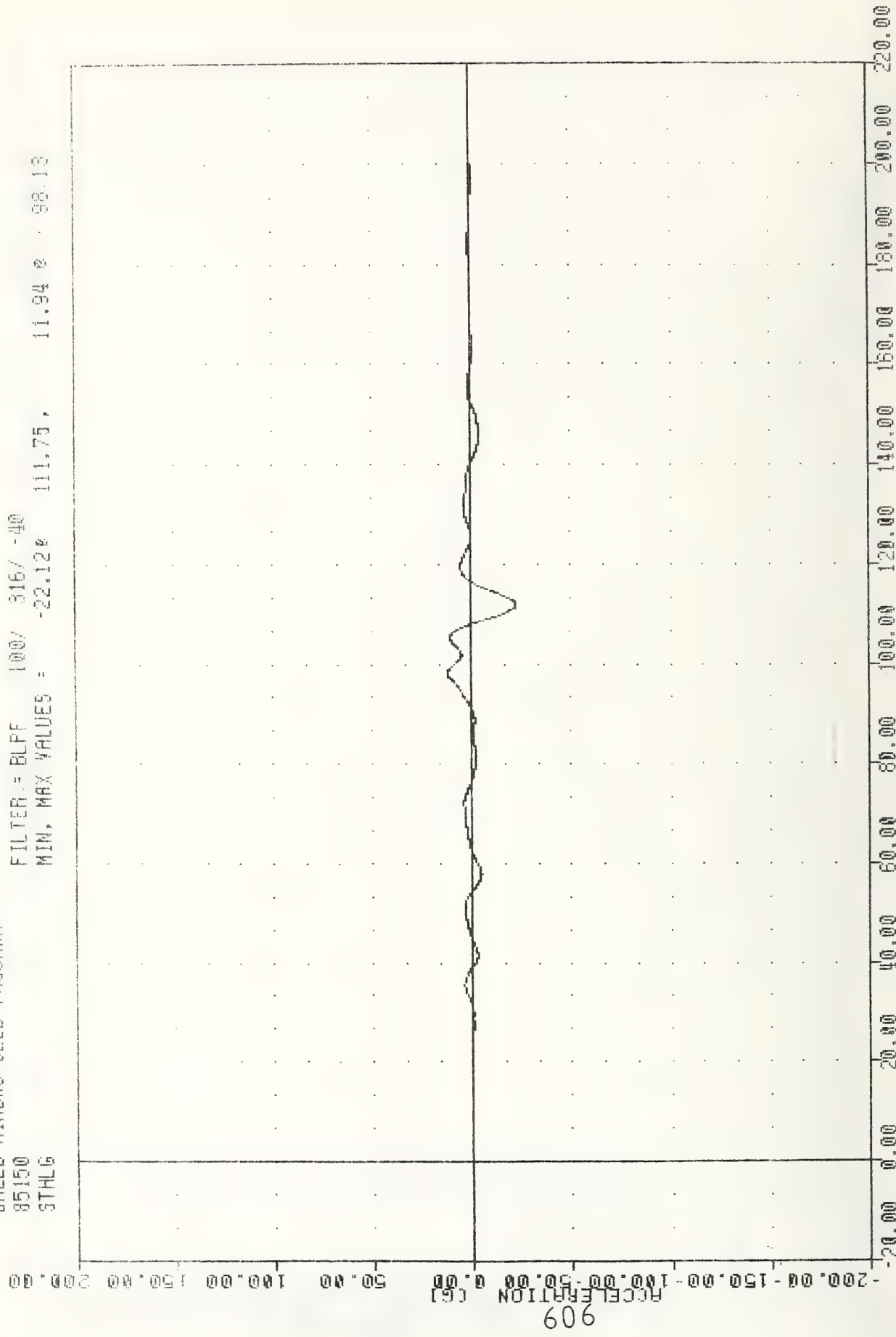
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -52.47 220.00 , 0.12 8.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
CELTA - USING STHPV

VRIC , 80304-4-02
 BREED AIRBAG SLED PROGRAM
 85150
 5THLG

PLOT DATE 31-MAR-85 08:09:19
 FILTER = BLPF 100/ 316/ -40
 MIN. MAX VALUES = -22.12 111.75 11.94 8 98.13



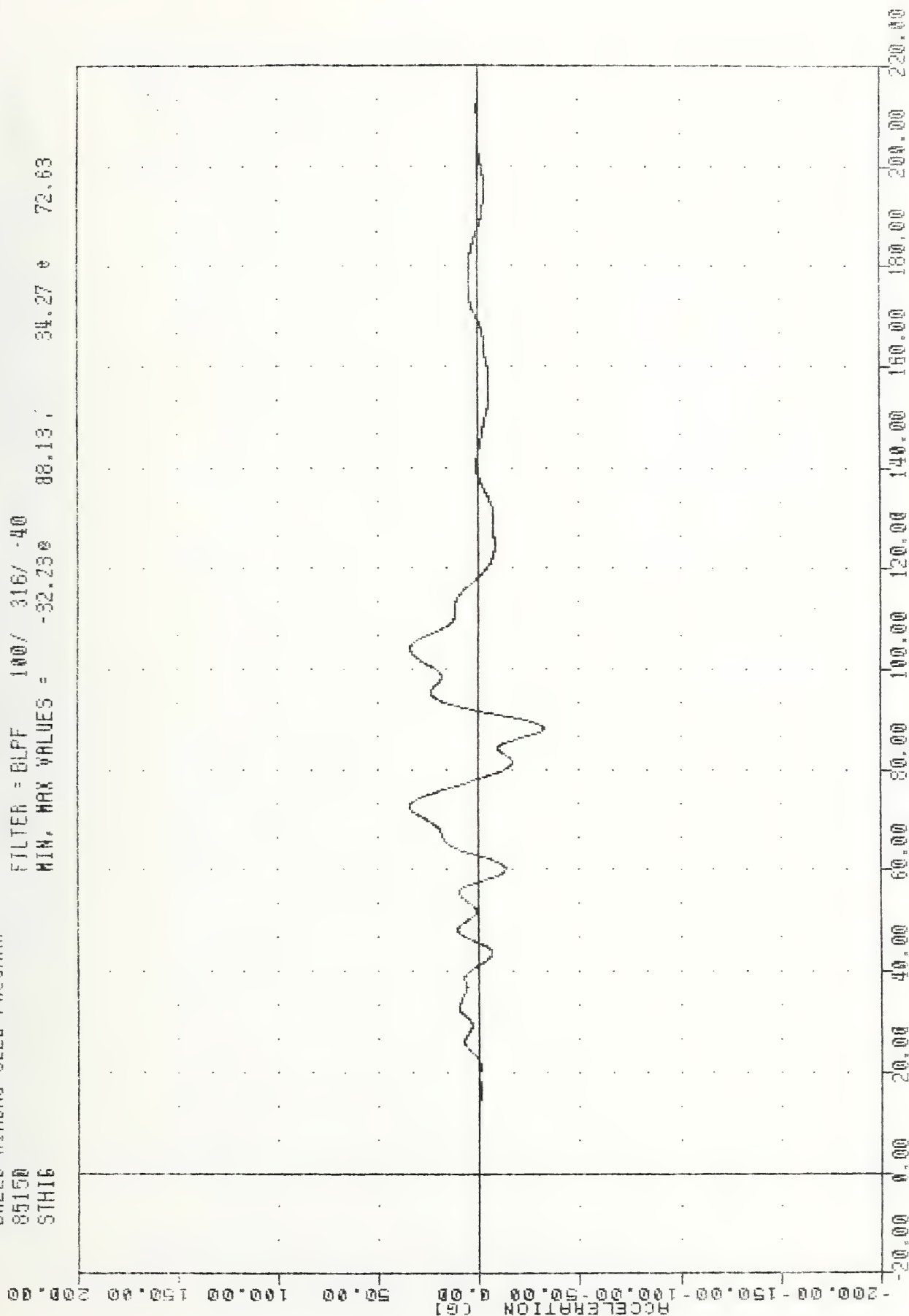
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION A-L RYS

WATC . R0084-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 STH16

PLOT DATE 31-MAY-85 08:09:19

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -32.23 88.13 34.27 72.63

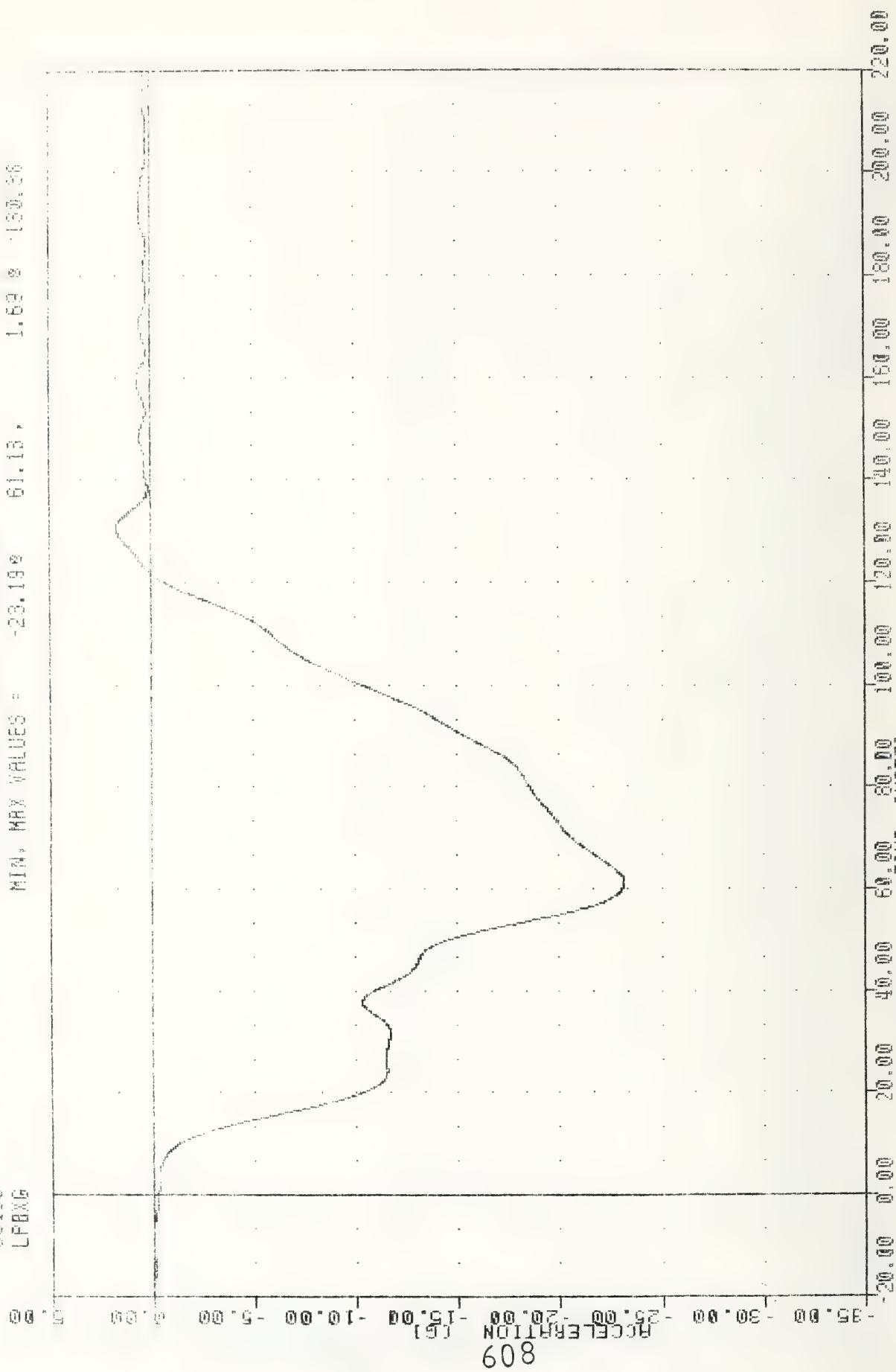


CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN AIR ACCELERATION T-1 AXIS

VARI 80.00-4.42
 BASED AIRBAG SLED PROGRAM
 85150
 LPBXG

FILTER = 6LPP 100 / 316 / 10
 MIN, MAX VALUES = -23.19% 61.13, 1.62% 130.36

PLUT DATE 30 APR 1977



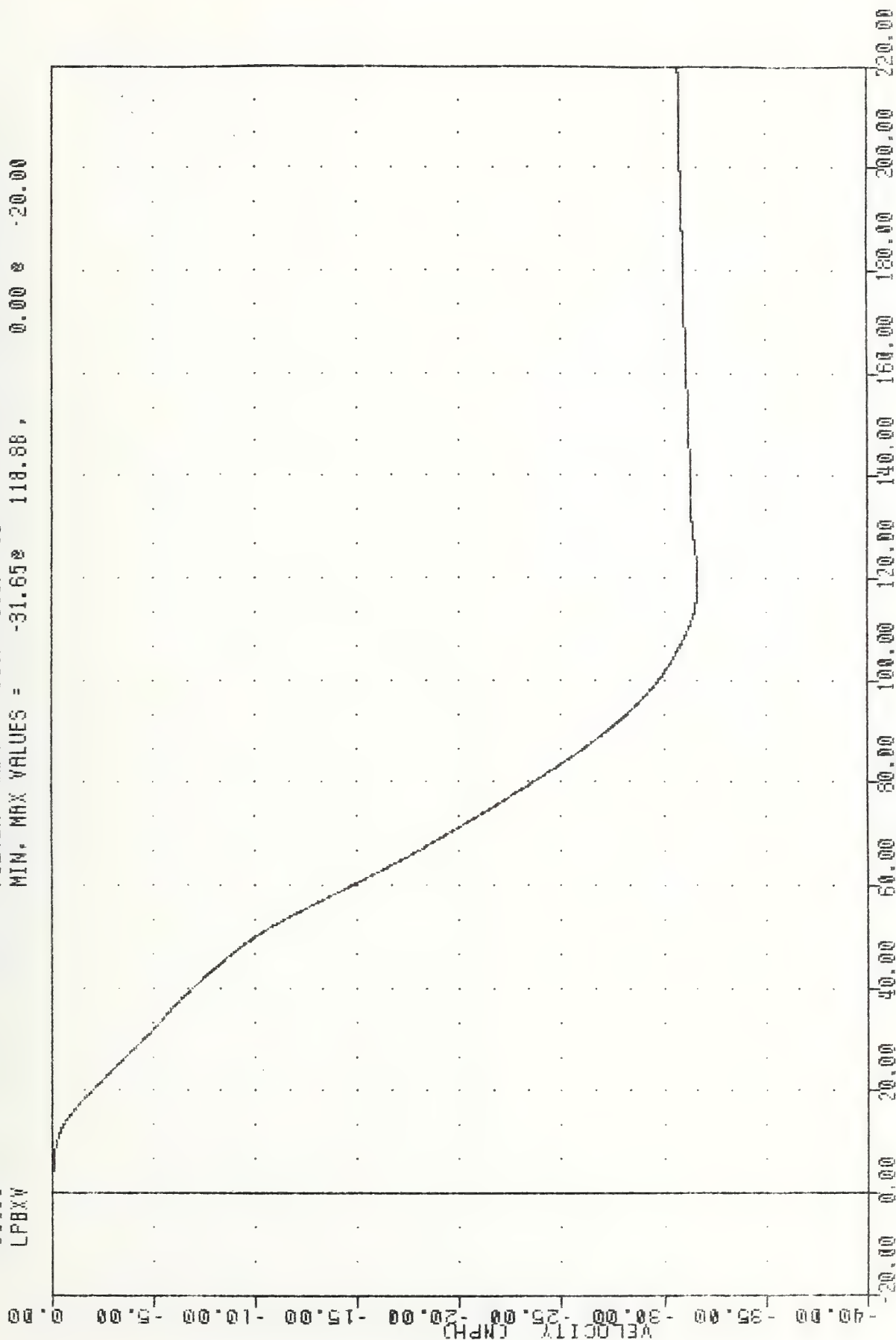
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 PLUT DATE 30 APR 1977

VRIC , R0304-4-42
BREED AIRBAG SLED PROGRAM
85150
LPBXV

PLOT DATE 31-MAY-85 08:11:48

FILTER = 6LPF 300/ 949/ -40

MIN. MAX VALUES = -31.652 118.88, 0.00 2 -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

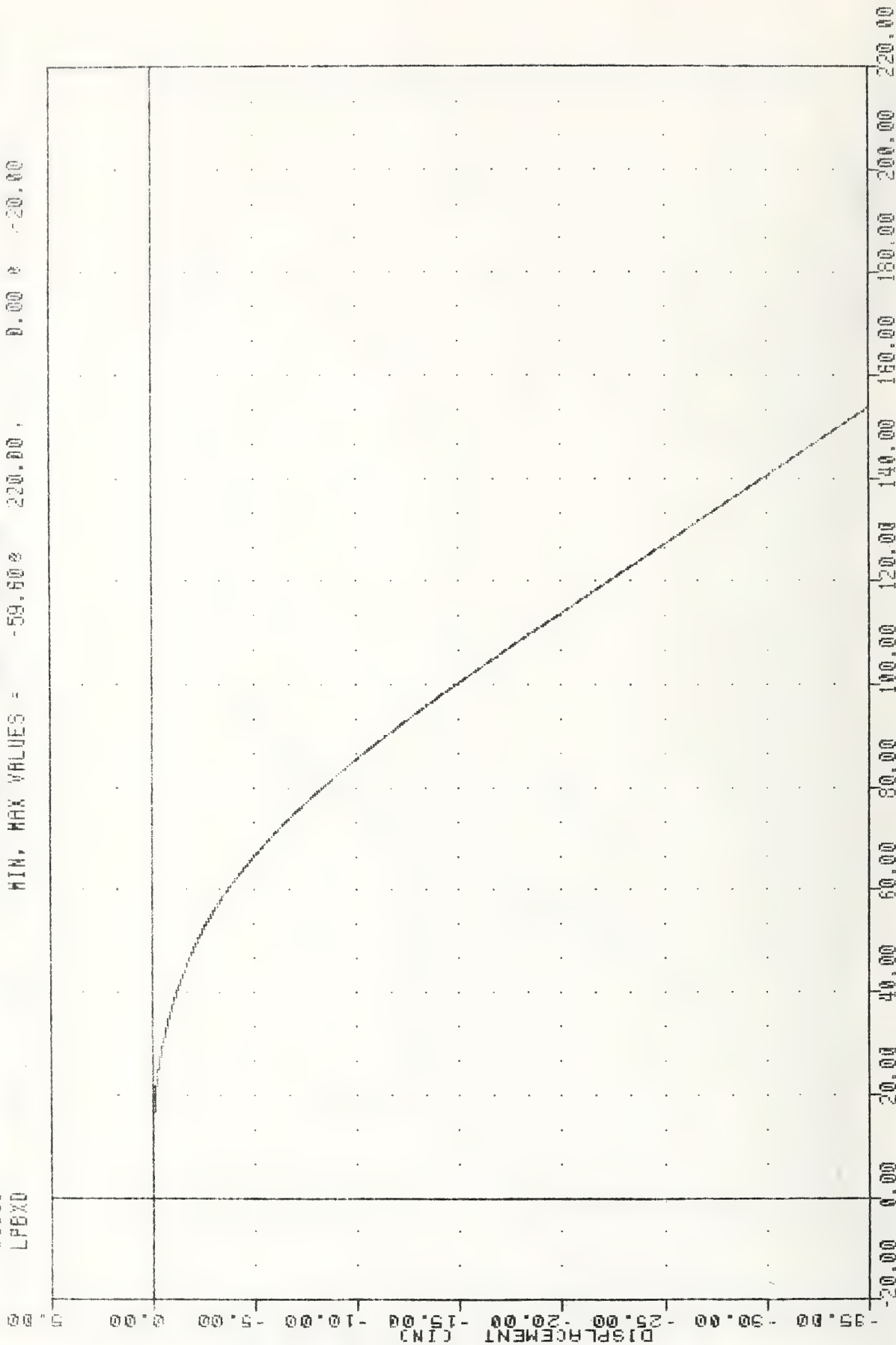
DELTA V USING LPBXG

VATIC
 GRAED AIRBAG SLED PROGRAM
 85150
 LPBXD

PLOT DATE 31-MAR-85 08:11:43

FILTER = BLFF 300 / 949 / 40

MIN, MAX VALUES = -59.600 220.00 0.00 0 -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

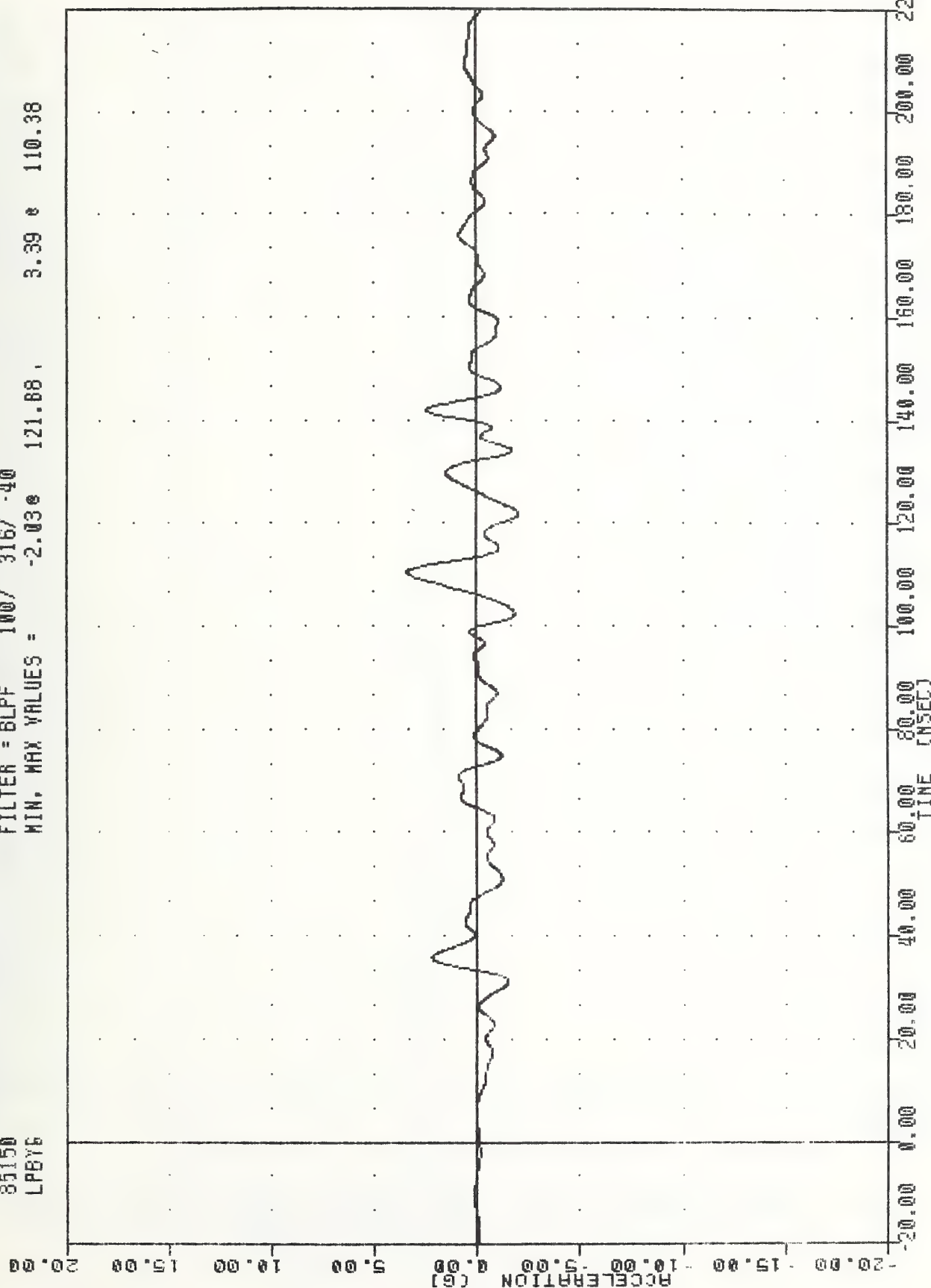
DELTA X USING LPBXV

VRIC 7 R0394-4-42
BASED ATACAG SLED PROGRAM
35150
LPBY6

PLOT DATE 31-MAY-85 08:09:19

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -2.03e 121.88 , 3.39 e 110.38



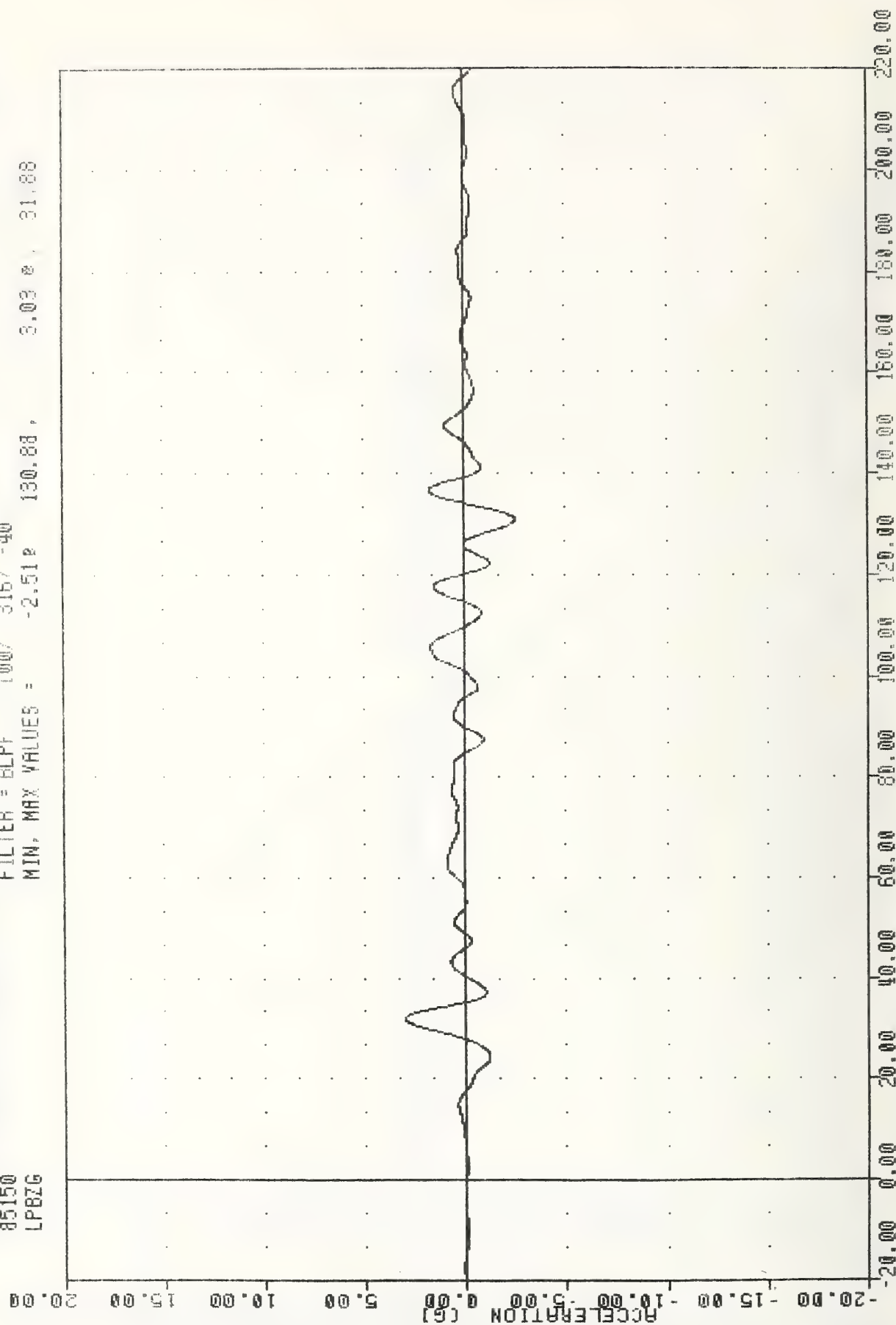
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85150
LPBZG

PLOT DATE 31 MAY 85 08:09:19

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -2.51g 130.8g, 3.03g, 31.8g



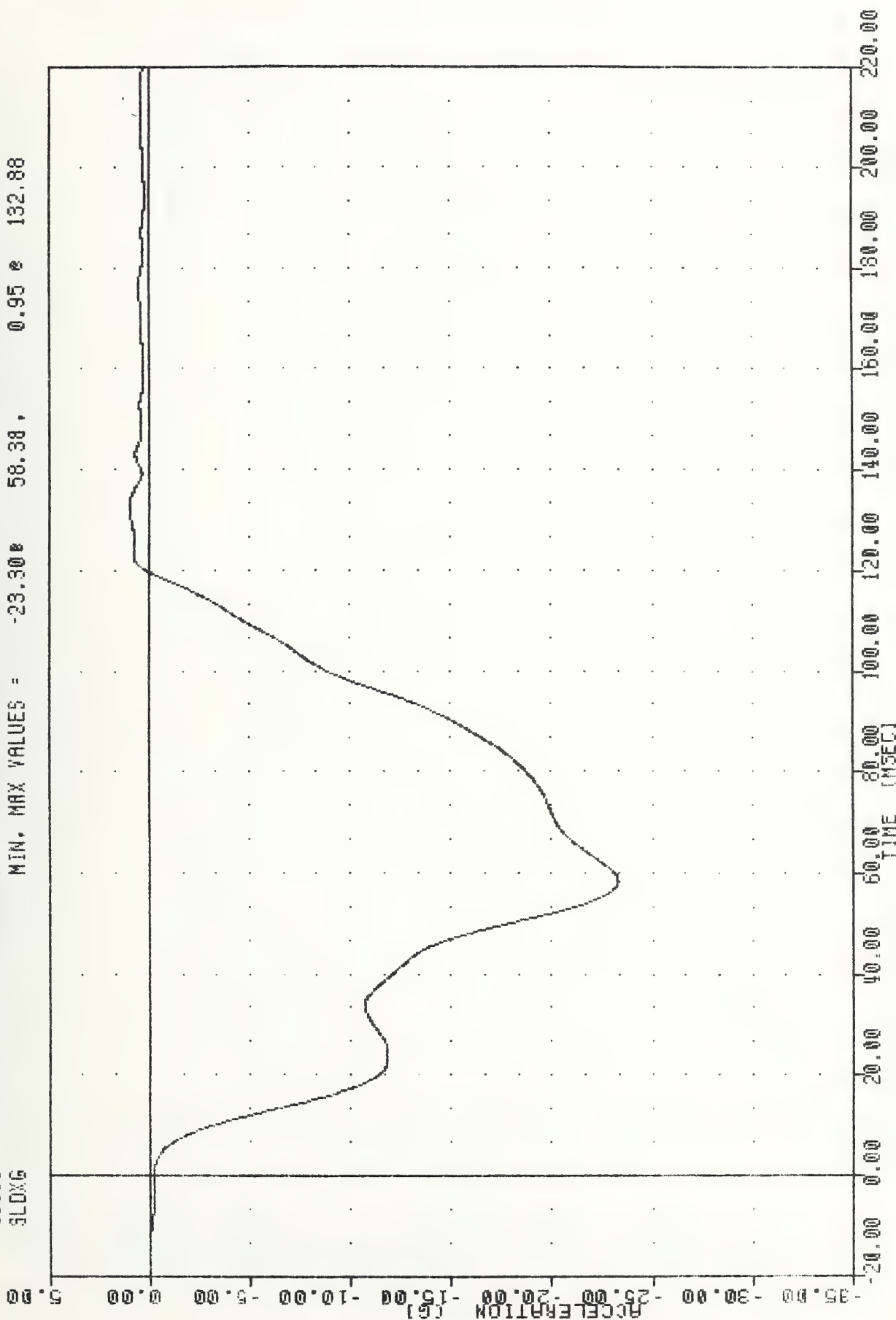
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRIC , R0384-4-42
BREED AIRBAG SLED PROGRAM
85150
SLOXG

PLOT DATE 31-MAY-85 08:09:19

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -23.30 58.38 , 0.95 132.88



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC , R0384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 SLDXVI

PLOT DATE 31-MAY-85 08:11:48

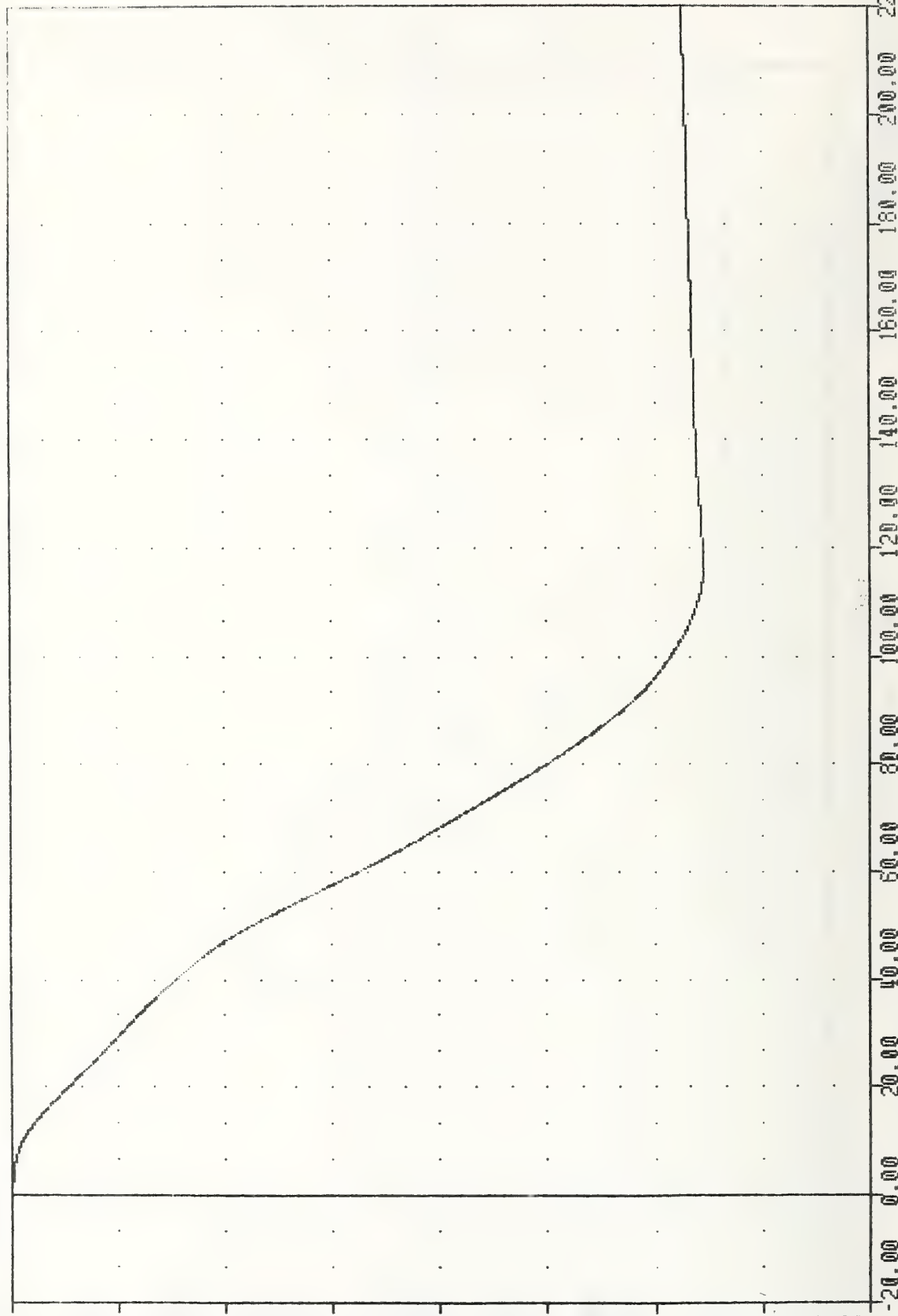
FILTER = ELPF 300/ 949/ -40

MIN, MAX VALUES = -32.28 116.88 -0.01 15.63

SLDXVI

VELOCITY (MPH)

614

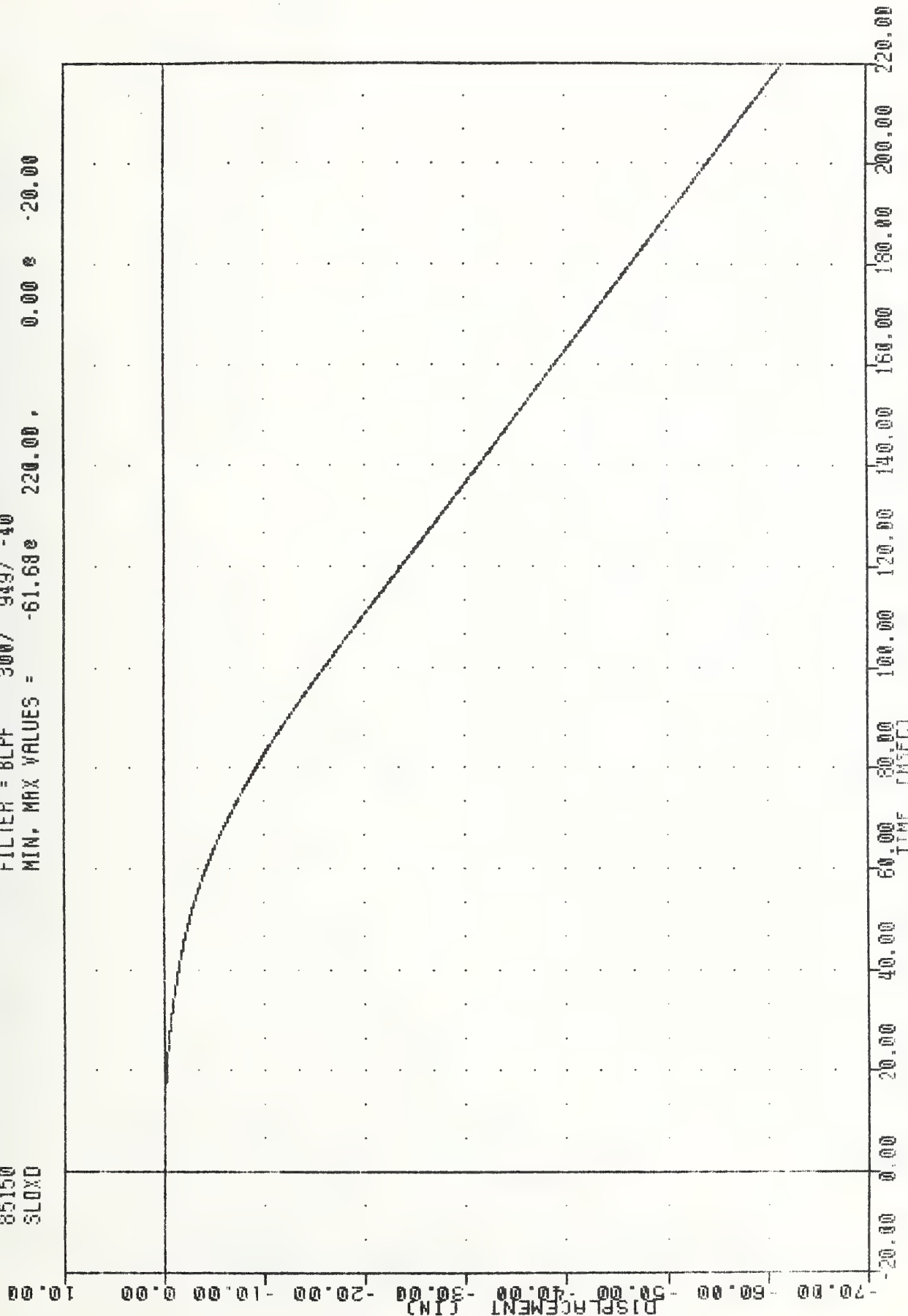


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 SLED VELOCITY (INTEGRATED)

WRTC
 BREED AIRBAG SLED PROGRAM
 85150
 SLOXD

PLOT DATE 31-MAY-85 08:11:48

FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -61.68e 220.00 , 0.00 e -20.00



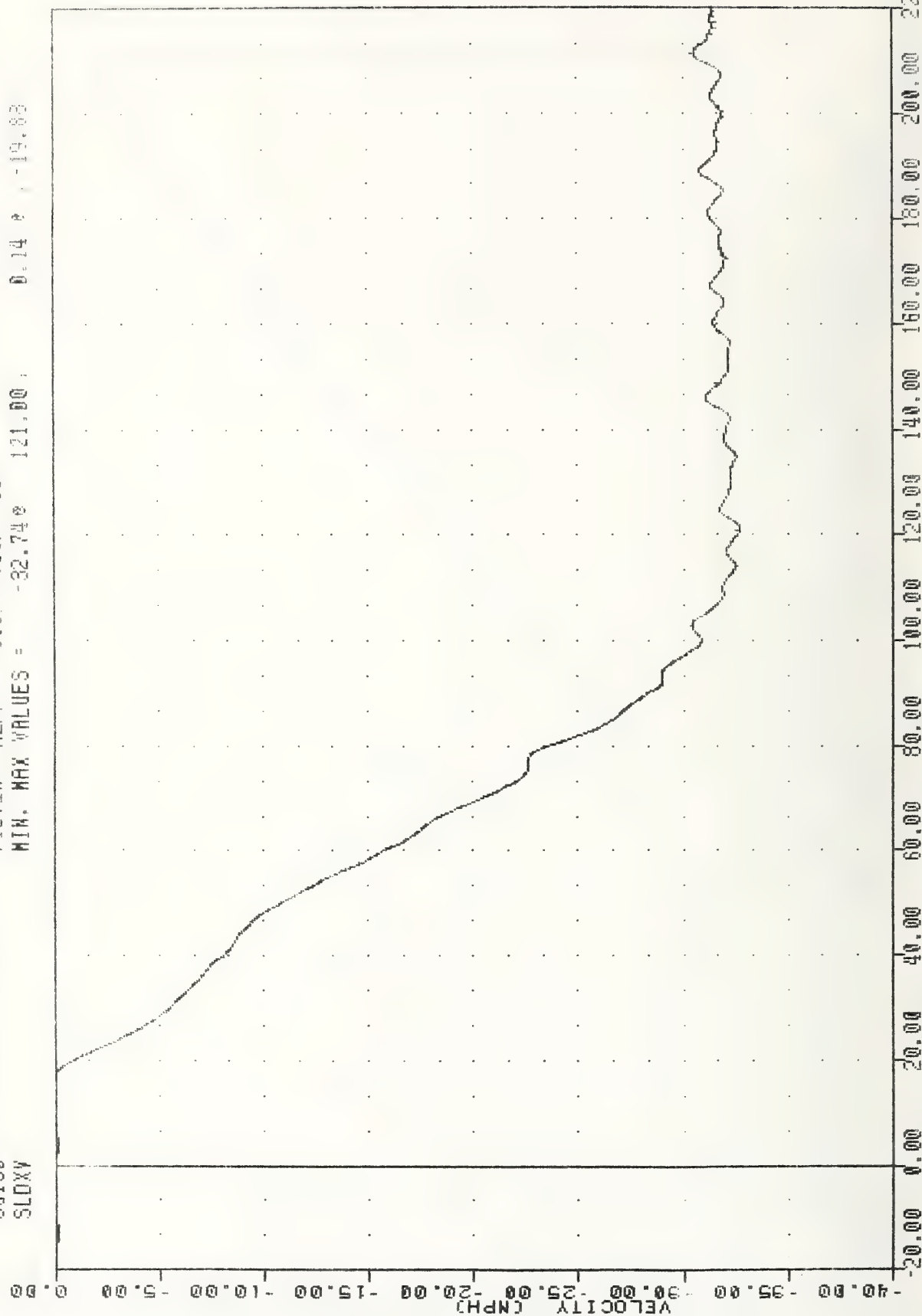
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

WATC RD384-4-42
BREED AIRBAG SLED PROGRAM
85150
SLOXY

PL01 DATE 31-MAY-05 08:09:19

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -32.74e 121.00, 0.14 e -19.83



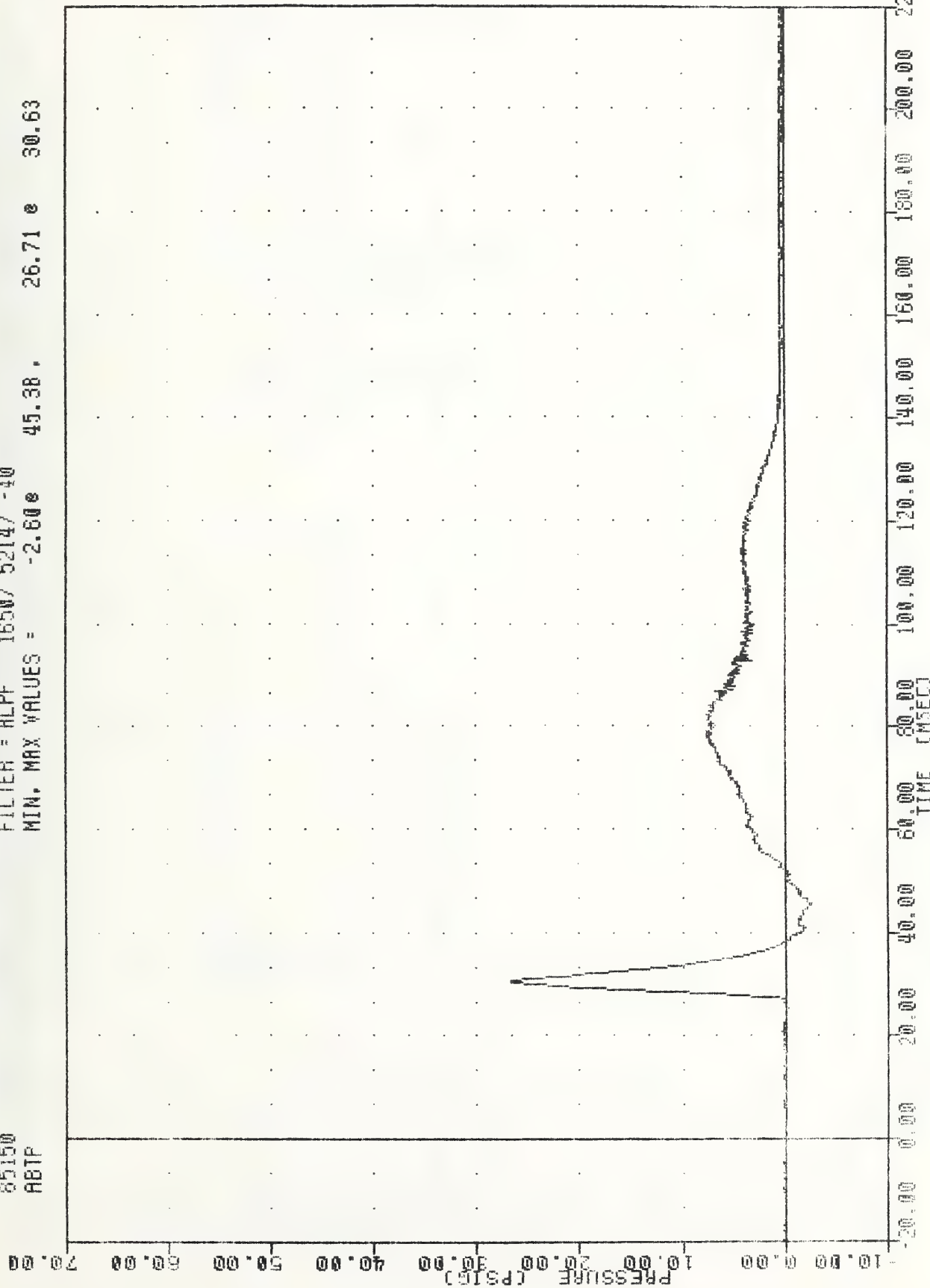
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRIC
BREED AIRBAG SLED PROGRAM
85150
ABTP

PLOT DATE 31-MAY-85 08:09:19

FILTER = ALPF 1650/ 5214/ -40

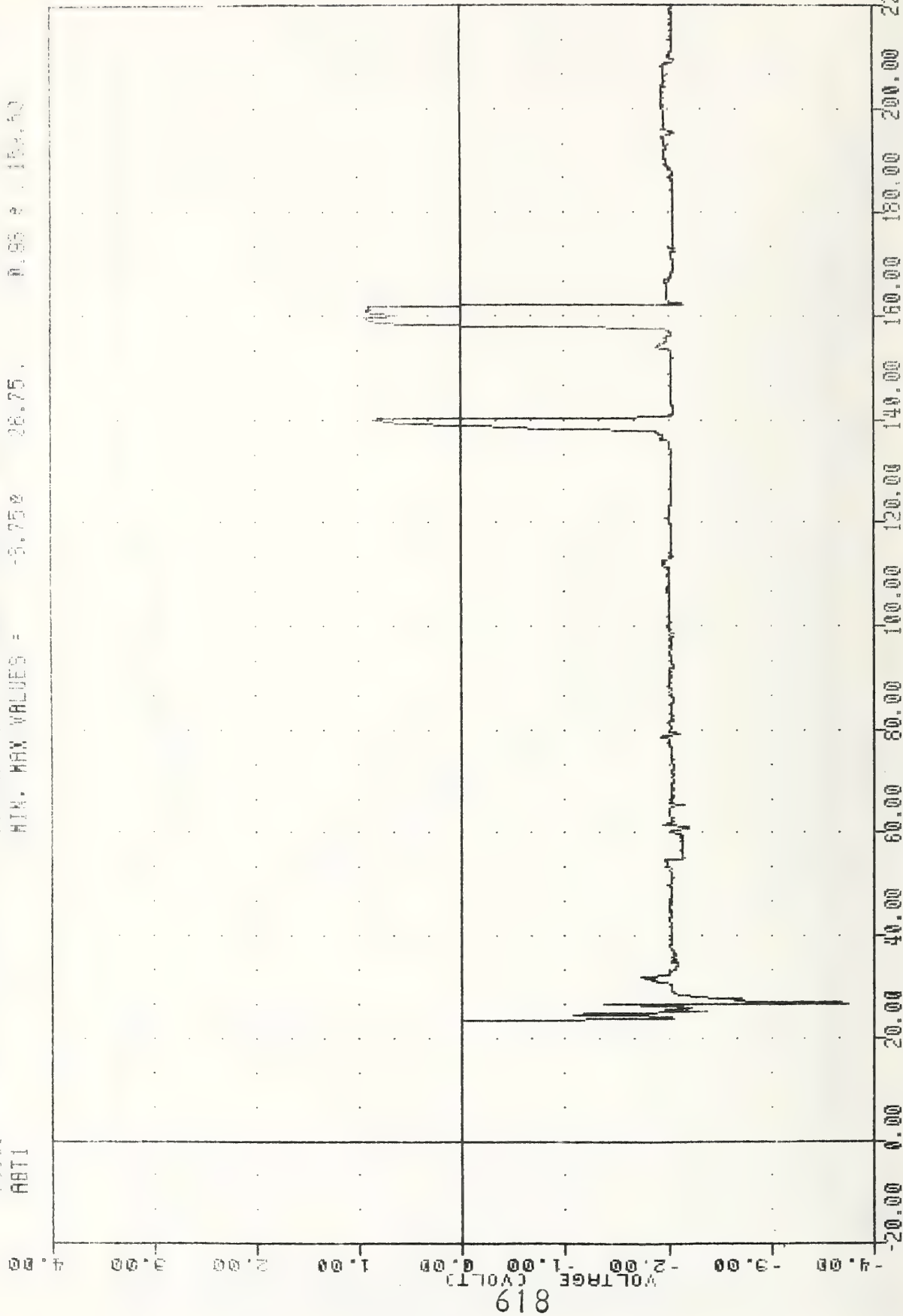
MIN. MAX VALUES = -2.60e 45.38. 26.71 e 30.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
AIRBAG PRESSURE

WRT
 BREED HIRSH SLED PROTECT
 05150
 ABT1

0.000000 0.000000 0.000000
 FILTER = ALPF 16300 52147 40
 MIN. MAX VALUES = -3.750 26.750 0.000 16.000



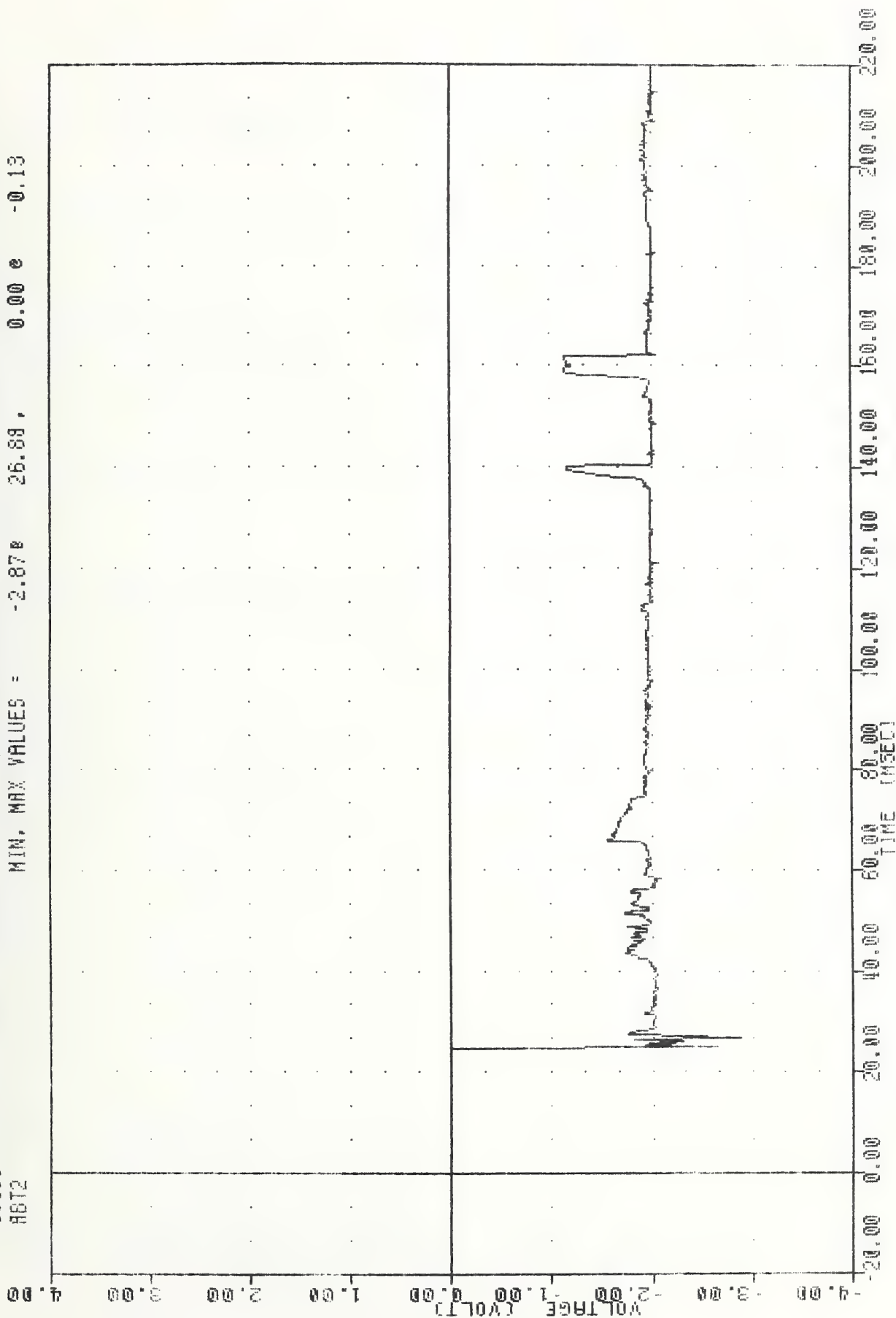
618

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 SENSOR BURNWIRE 1

VRTC
BREED AIRBAG SLED PROGRAM
85150
RBT2

PLOT DATE 31-MAY-85 08:09:19

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -2.87e 0.00 e -0.13



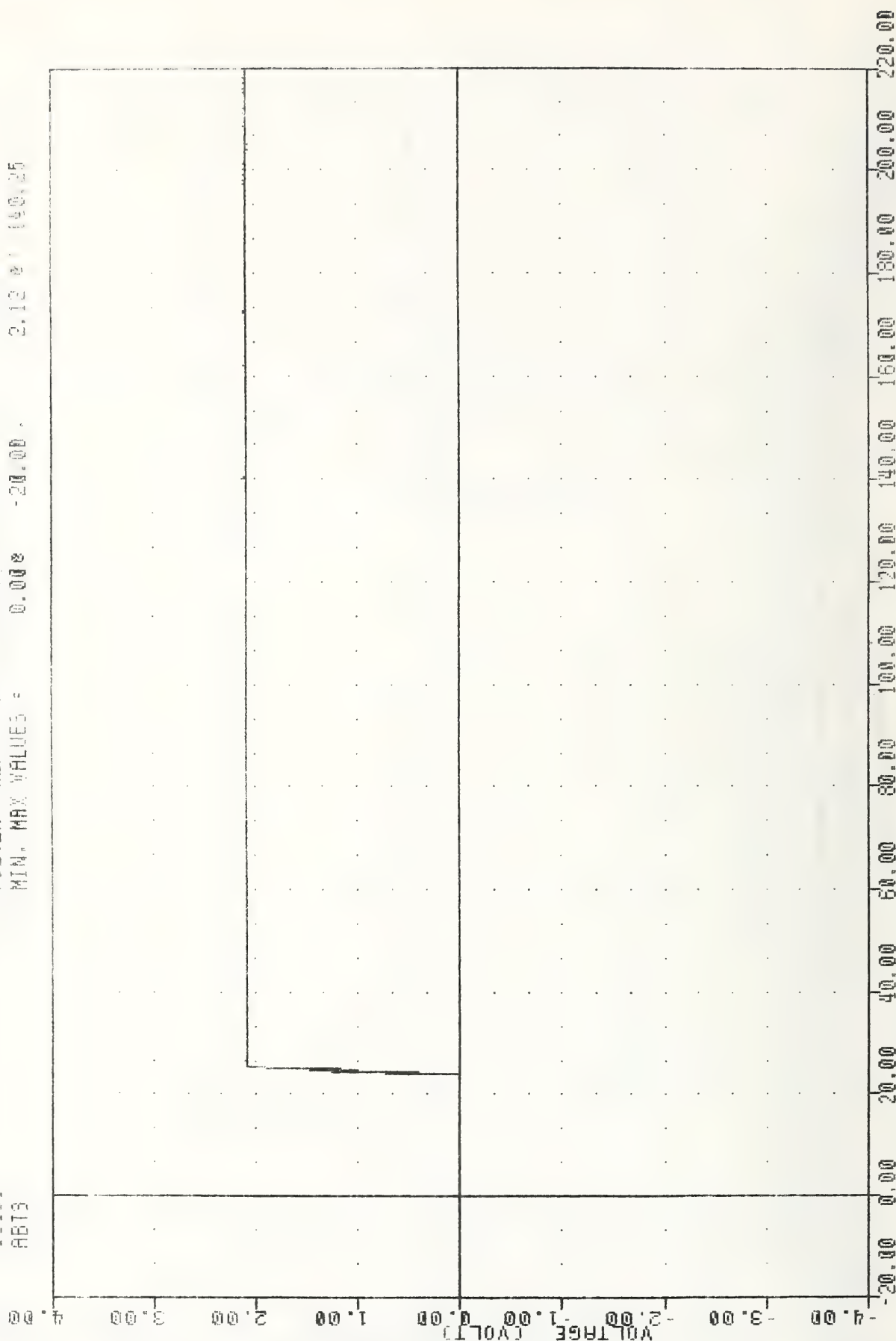
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNTIRE 2

VRIC , R0384-4-12
 BREED AIRBAG SLEU PROGRAM
 85150
 ABT3

PLOT DATE 31 MAY-85 00:09:19

FILTER = ALPF 1650 / 5214 / -40

MIN. MAX VALUES = 0.00e -20.00 2.12e 140.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

BREED B-PILLAR SENSOR

RD384-4-42

BRD384-4-42

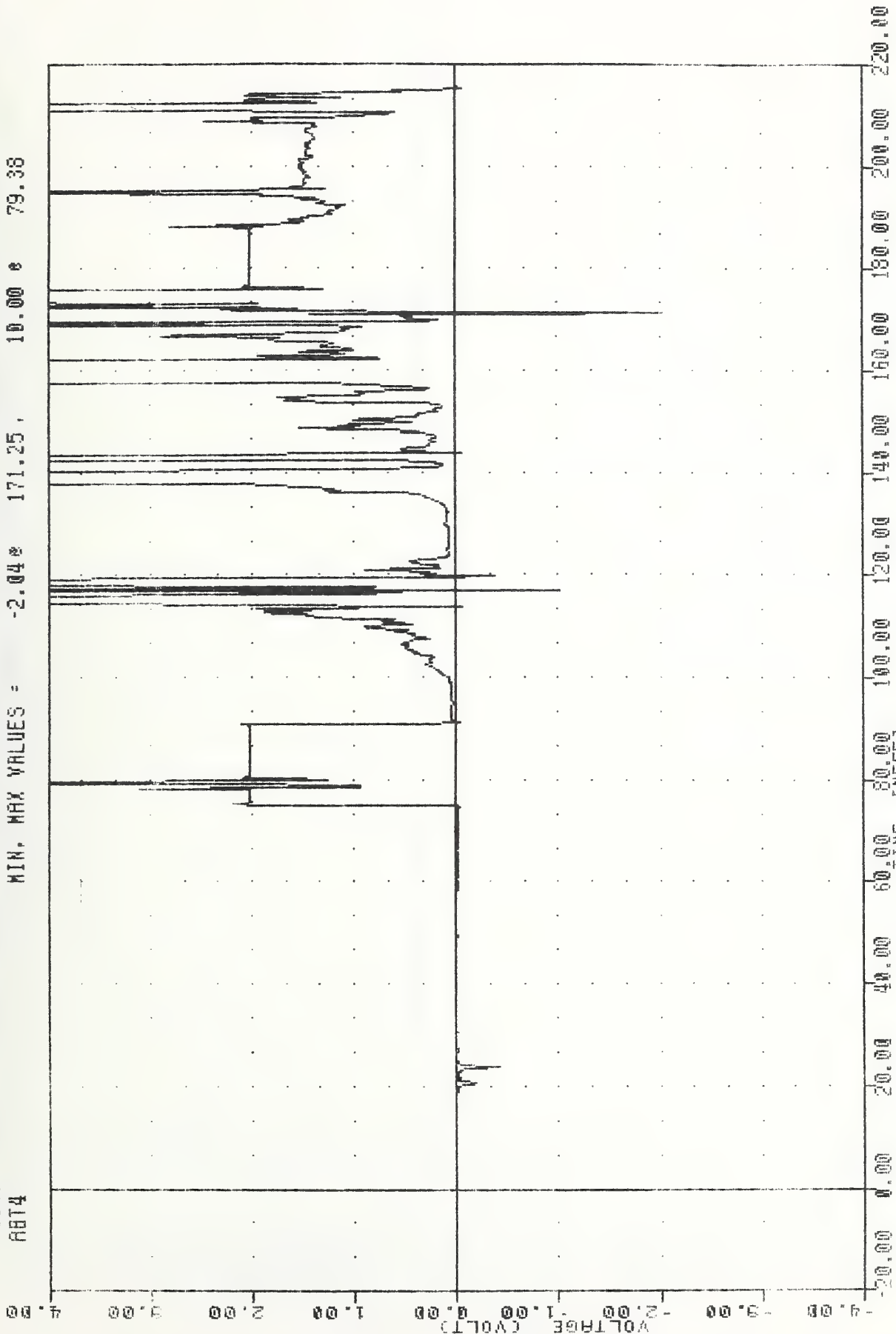
85150

ABT4

31-MAY-85 08:09:19

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.04 171.25 10.00 79.38



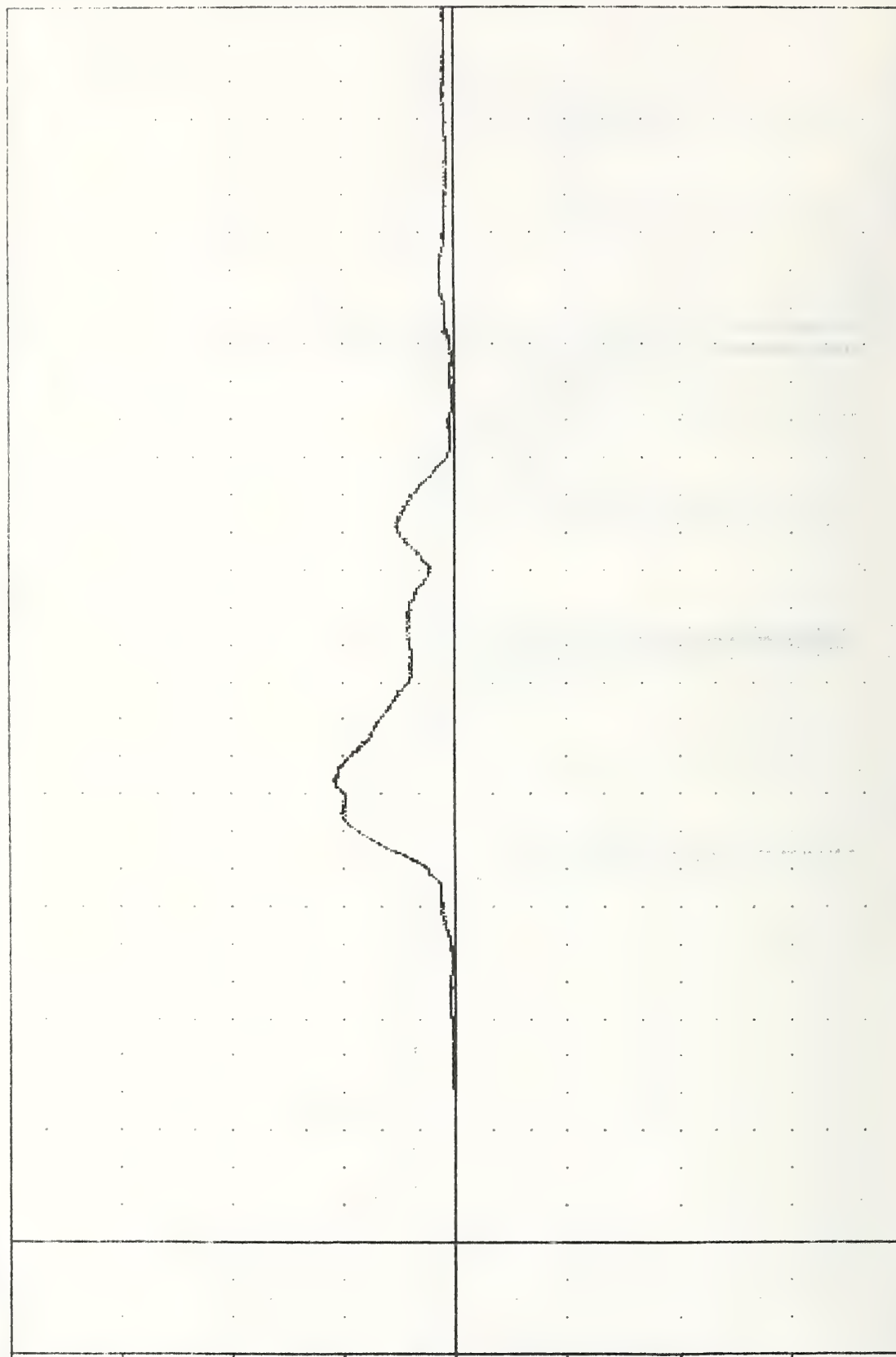
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
WHEEL CONTACT

VRIC
 BREED AIRBAG SLED PROGRAM
 85150
 HEADG1

FLY DATE 81 MAR 77 18:11

FILTER = ALPF 1650/ 52147 -40
 MIN. MAX VALUES = 0.042 -16.00 , 24.00 2 22.50

ACCELERATION (G)



TIME (msec)

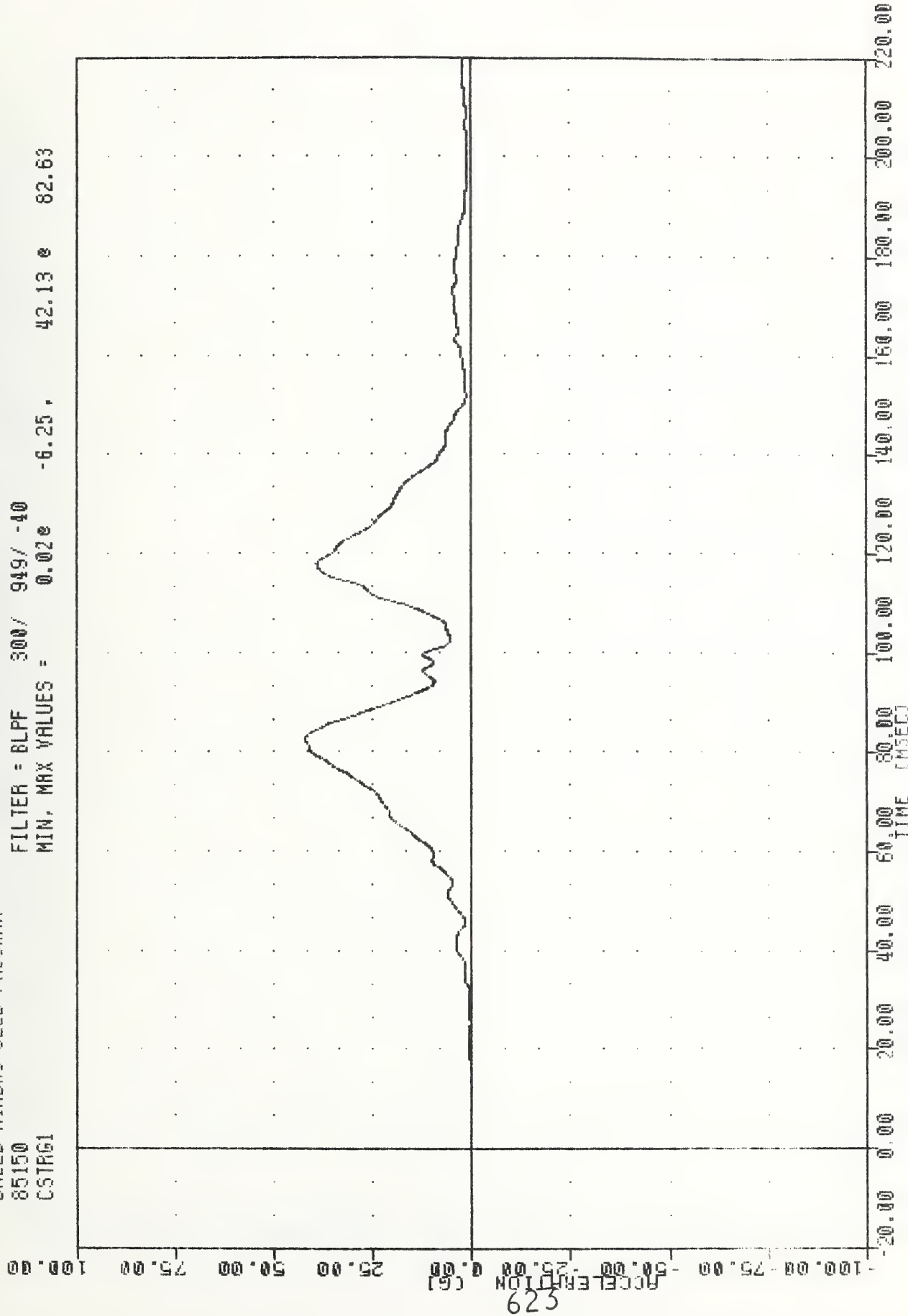
CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD RESULTANT

VRTC , RD384-4-42
BREED AIRBAG SLED PROGRAM
85150
CSTR61

PLOT DATE 31-MAY-85 08:12:28

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = 0.02e -6.25, 42.13 e 82.63



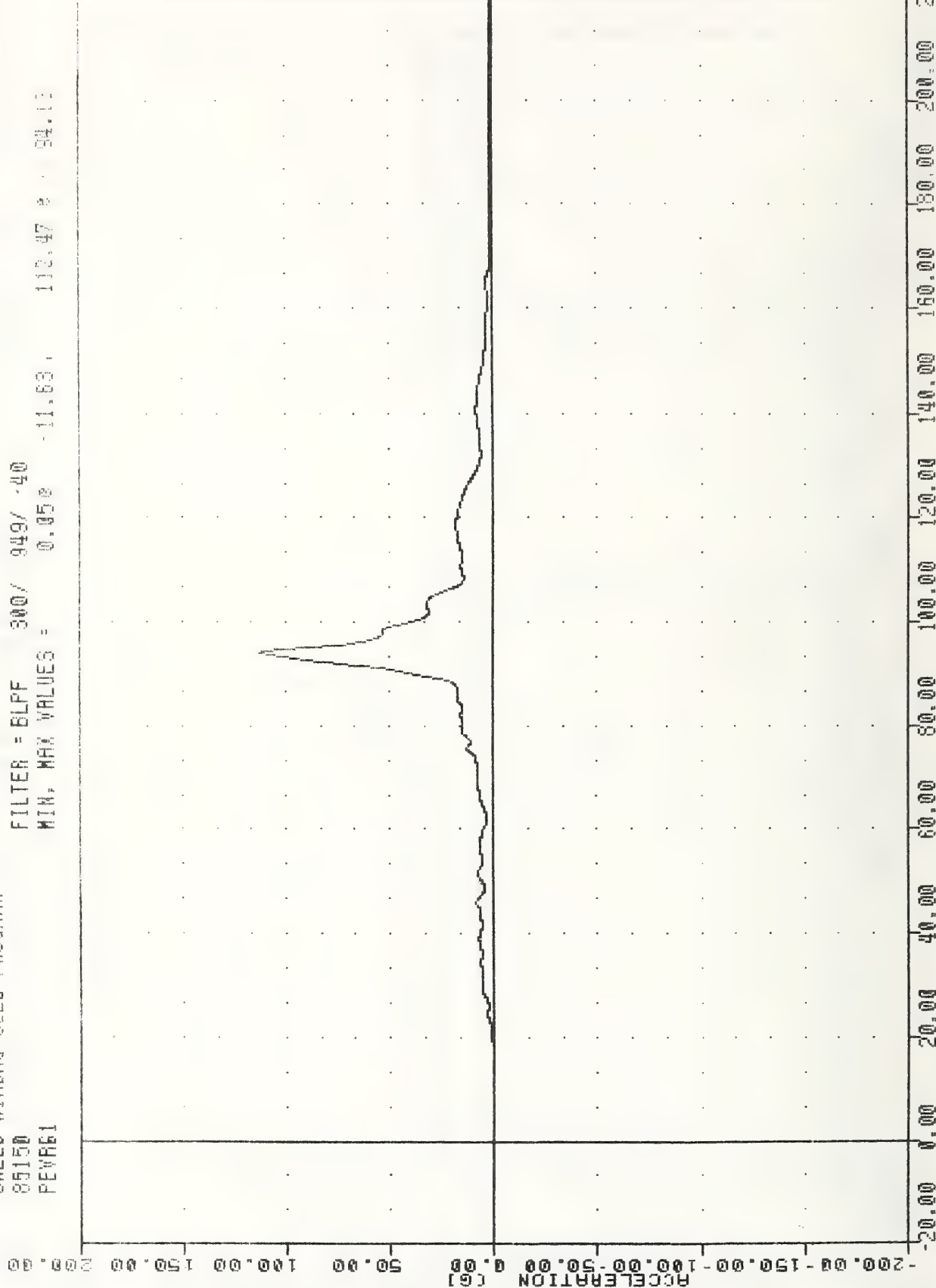
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VRIC , RD384-4-42
 BREED AIRBAG SLED PROGRAM
 05150
 PEVR61

PLOT DATE 31-MAY-85 08:12:38

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.050 -11.63, 112.47 2 - 94.12



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS RESULTANT

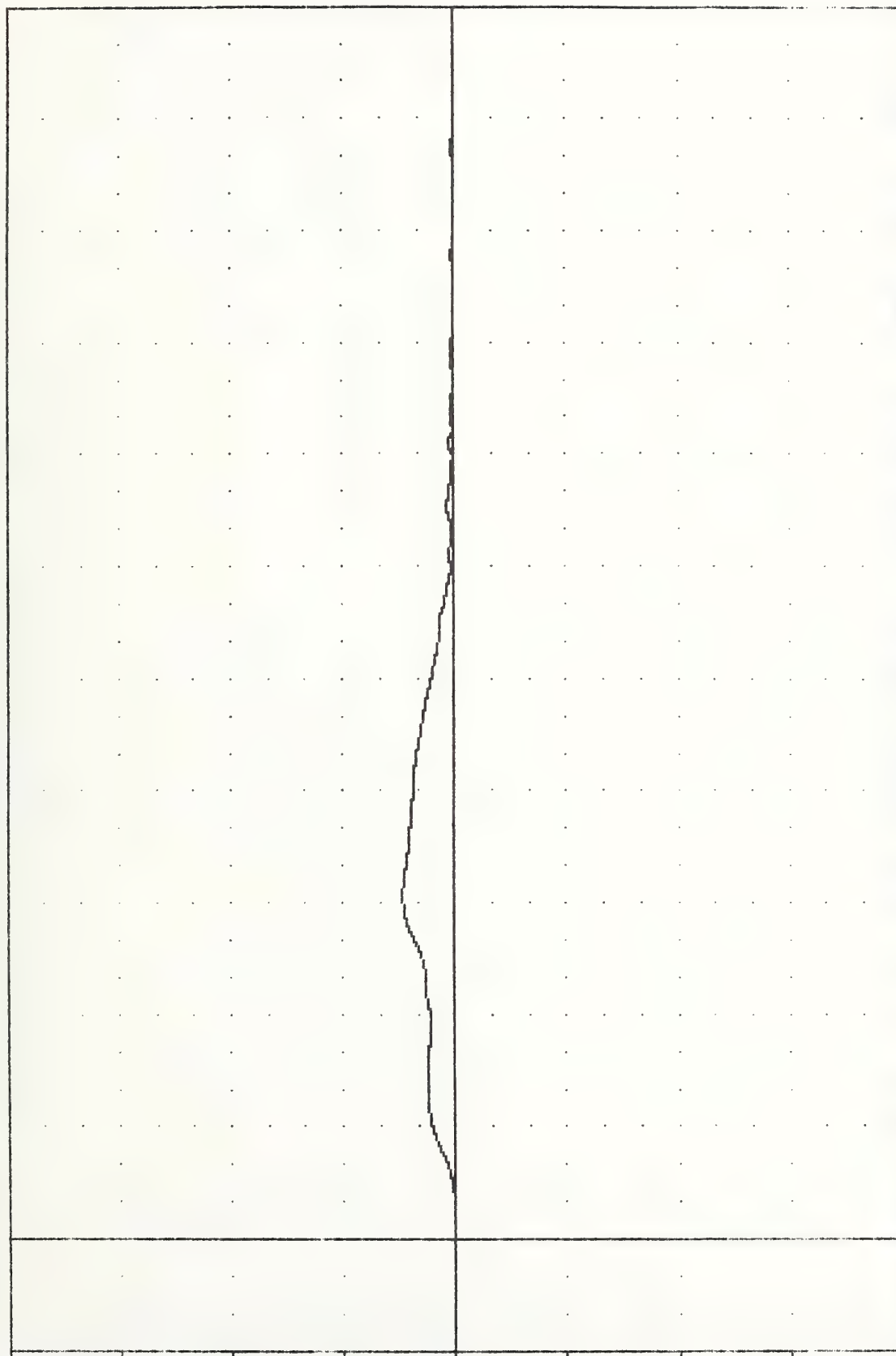
VRIC , RD584-4-42
BREC AIRBRG SLED PROGRAM
85150
LPBRG

PLOT DATE 31-MAY-85 08:12:26

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = 0.03e -6.75, 23.21 e 61.25

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PULSE LEFT 8 RESULTANT

VRTC
BREED AIRBAG SLED PROGRAM
85150
STRG

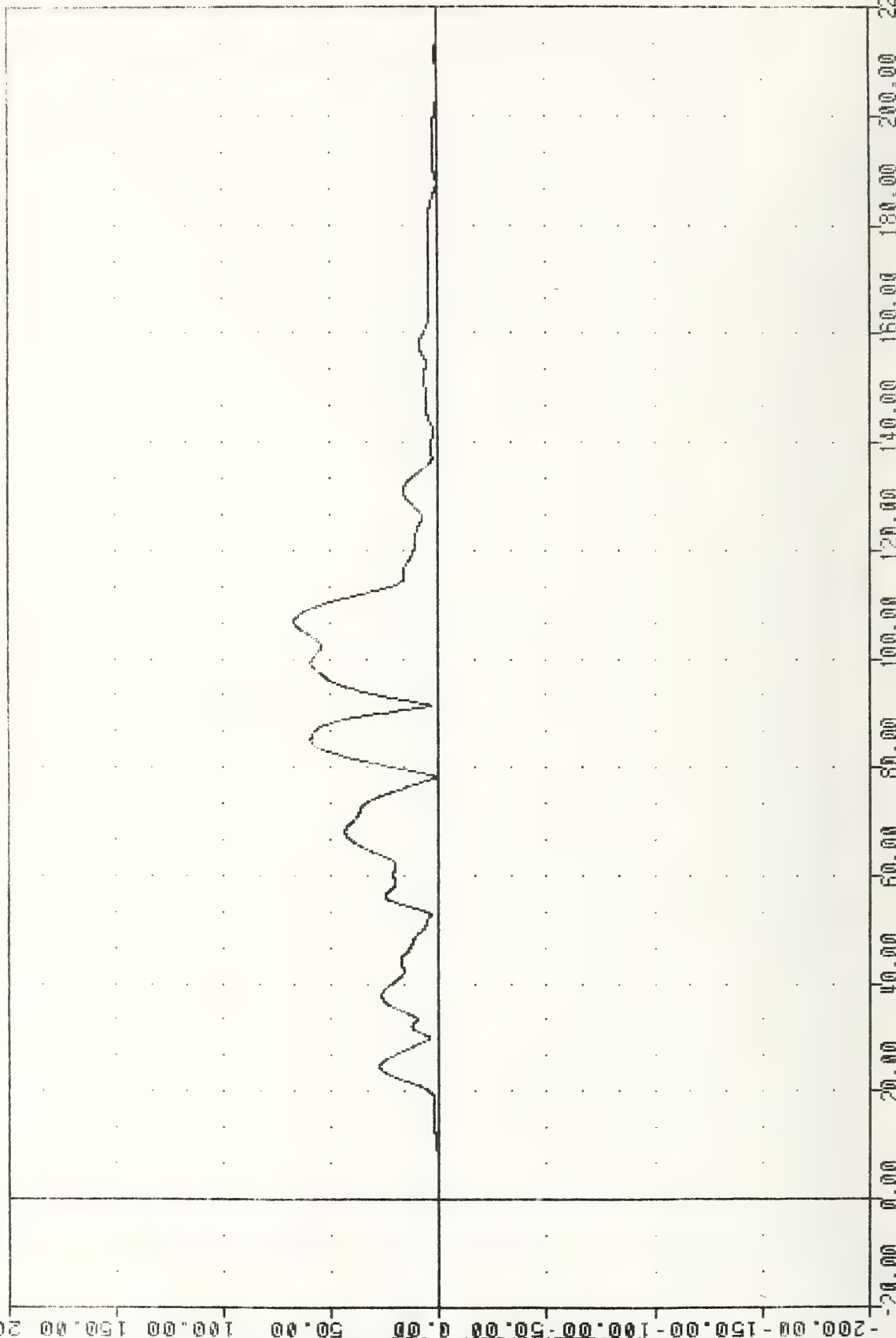
PLOT DATE 31-MAY-85 08:12:23

FILTER = BLPF X 100/ 316/ -40

MIN. MAX VALUES = 0.052 -19.38, 56.86 2, 106.75

ACCELERATION (G)

626



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

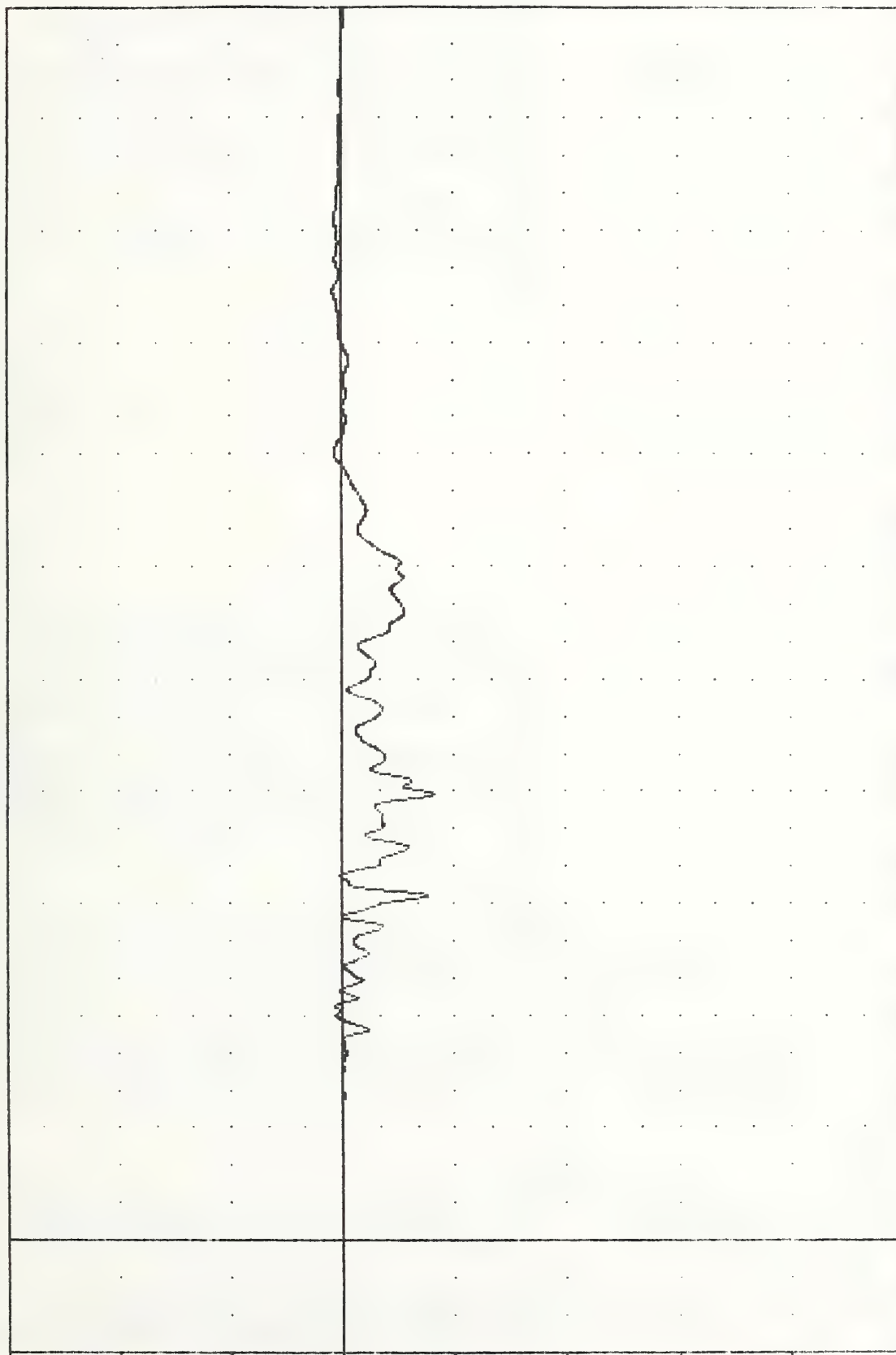
VRIC , R0384-4-42
BREED AIRBAG SLED PROGRAM
85150
USTXG1

PLOT DATE 31-MAY-85 08:09:19

FILTER = BLPF 30N/ 949/ -40

MIN. MAX VALUES = -65.58 79.38 6.30 169.13

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

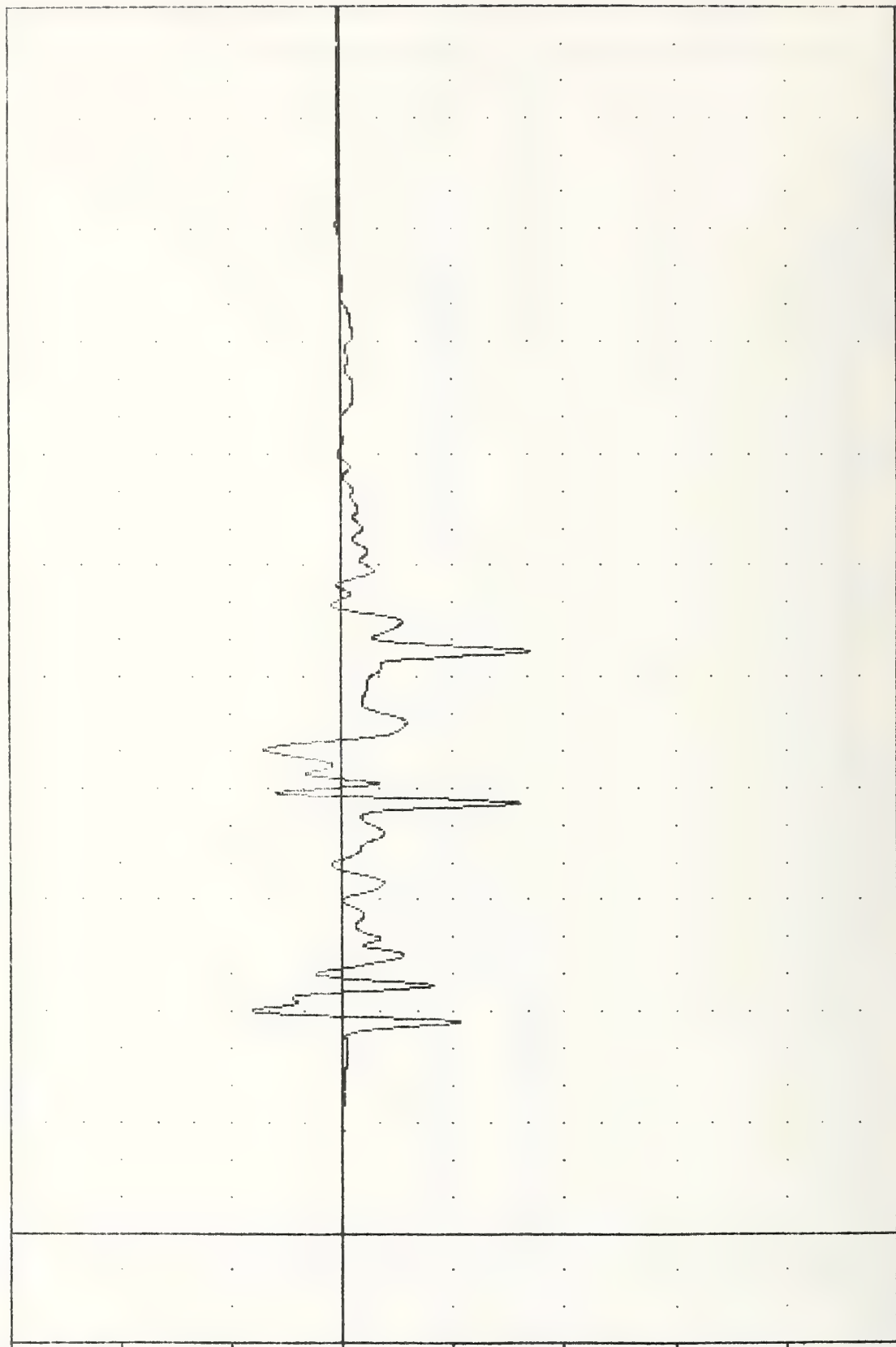
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

WRIC
 BREED AIRBAG SLED PROGRAM
 85150
 LSTX61

TEST DATE: 03/04/99
 TEST NO: 000410

FILTER = BLFF 300 / 949 / -40
 MIN, MAX VALUES = -135.68 104.50 65.14 40.13

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER, LOWER STERNUM ACCELERATION X AXIS

		Min value	Max value	Data Units	Filter
1	EVENT	0.049 @	1.601 @	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-32.722 @	0.144 @	mph	ALPF 100/ 316/ -40
3	SLDXG	-23.296 @	0.882 @	g	BLPF 100/ 316/ -40
4	HEDXG1	-71.124 @	18.930 @	g	ALPF 1650/ 5214/ -40
5	HEDVQ1	-4.236 @	3.599 @	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-23.133 @	47.495 @	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-52.713 @	5.871 @	g	BLPF 300/ 949/ -40
8	CSTVG1	-7.966 @	4.697 @	g	BLPF 300/ 949/ -40
9	CSTZG1	-15.471 @	10.036 @	g	BLPF 300/ 949/ -40
10	USTXG1	-77.683 @	12.314 @	g	BLPF 300/ 949/ -40
11	LSTXG1	-42.051 @	13.510 @	g	BLPF 300/ 949/ -40
12	PEVXG1	-25.309 @	10.209 @	g	BLPF 300/ 949/ -40
13	PEVVG1	-3.181 @	11.020 @	g	BLPF 300/ 949/ -40
14	PEVZG1	-33.125 @	4.304 @	g	BLPF 300/ 949/ -40
15	LFMF1	-300.534 @	182.113 @	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-429.238 @	266.677 @	lb	BLPF 1000/ 3162/ -40
17	STHPG	-59.263 @	27.495 @	g	BLPF 100/ 316/ -40
18	STHLG	-12.243 @	20.986 @	g	BLPF 100/ 316/ -40
19	STHIG	-19.860 @	37.978 @	g	BLPF 100/ 316/ -40
20	LPBVG	-23.071 @	0.865 @	g	BLPF 100/ 316/ -40
21	LPBVG	-1.556 @	2.167 @	g	BLPF 100/ 316/ -40
22	LPBZG	-1.491 @	2.467 @	g	BLPF 100/ 316/ -40
23	SHBF1	-0.168 @	1366.467 @	lb	BLPF 100/ 316/ -40
24	LBDF1	-0.786 @	1460.379 @	lb	BLPF 100/ 316/ -40
25	ABTP	-2.828 @	22.148 @	psig	ALPF 1650/ 5214/ -40
26	ABT1	-3.136 @	0.003 @	volt	ALPF 1650/ 5214/ -40
27	ABT2	-3.016 @	0.001 @	volt	ALPF 1650/ 5214/ -40
28	ABT3	-0.002 @	2.112 @	volt	ALPF 1650/ 5214/ -40
29	ABT4	-0.189 @	2.187 @	volt	ALPF 1650/ 5214/ -40

		Min value	Max value	Data Units	Filter
1	HEDXV1	-43.669 @	0.005 @	mph	BLPF 300/ 949/ -40
2	HEDXD1	-64.499 @	-0.150 @	in	BLPF 300/ 949/ -40
3	CSTXV1	-38.731 @	0.047 @	mph	BLPF 300/ 949/ -40
4	CSTXD1	-63.204 @	0.031 @	in	BLPF 300/ 949/ -40
5	PEVXV1	-22.901 @	0.249 @	mph	BLPF 300/ 949/ -40
6	PEVXD1	-34.520 @	0.239 @	in	BLPF 300/ 949/ -40
7	SLDXV1	-32.321 @	0.000 @	mph	BLPF 300/ 949/ -40
8	SLDXD	-61.883 @	0.000 @	in	BLPF 300/ 949/ -40
9	STHPV	-31.522 @	0.177 @	mph	BLPF 300/ 949/ -40
10	STHPD	-52.687 @	0.127 @	in	BLPF 300/ 949/ -40
11	LPBXV	-31.568 @	0.119 @	mph	BLPF 300/ 949/ -40
12	LPBXD	-59.307 @	0.092 @	in	BLPF 300/ 949/ -40

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.024 @	83.986 @	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.034 @	53.073 @	g	BLPF 300/ 949/ -40
3	PEVRG1	0.062 @	41.372 @	g	BLPF 300/ 949/ -40
4	STHRG	0.114 @	63.480 @	g	BLPF 100/ 316/ -40
5	LPBRG	0.066 @	23.075 @	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC450RP.RAD;1
VRTC RD384-4-43 BREED AIRBAG SLED PROGRAM
85151 30.00 mph

* * * HIC computation for HEDRG1 31-MAY-85 13:28
Using time range = 0.000 to 220.000 msec Peak accel = 83.99 @ 79.750

HIC = 761.67 Interval from 70.875 [728] to 92.375 [900]

HIC = 686.74 Interval from 73.375 [748] to 88.375 [868]

R SYSP:THREEMS
*** Three ms clip program for chest resultant channel ***

THREEMS -- Display greatest value over a 3 ms. Period

Enter input filespec -> TRC450RP

File TRC450RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-43 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED.BREED]TRC450RP.RAD;1 VRTC RD384-4-43
BREED AIRBAG SLED PROGRAM 30.0 mph 85151 31-MAY-85 13:40:36
Deltax: 0.125

3 MS CLIP PEAK: 52.46837

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak

Enter channel name -> EXIT

Enter input filespec -> EXIT

VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
EVENT

PLOT DATE 7-JUN-85 08:57:28

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.058 56.88, 1.60 e -19.75

4.00

3.00

2.00

1.00

0.00

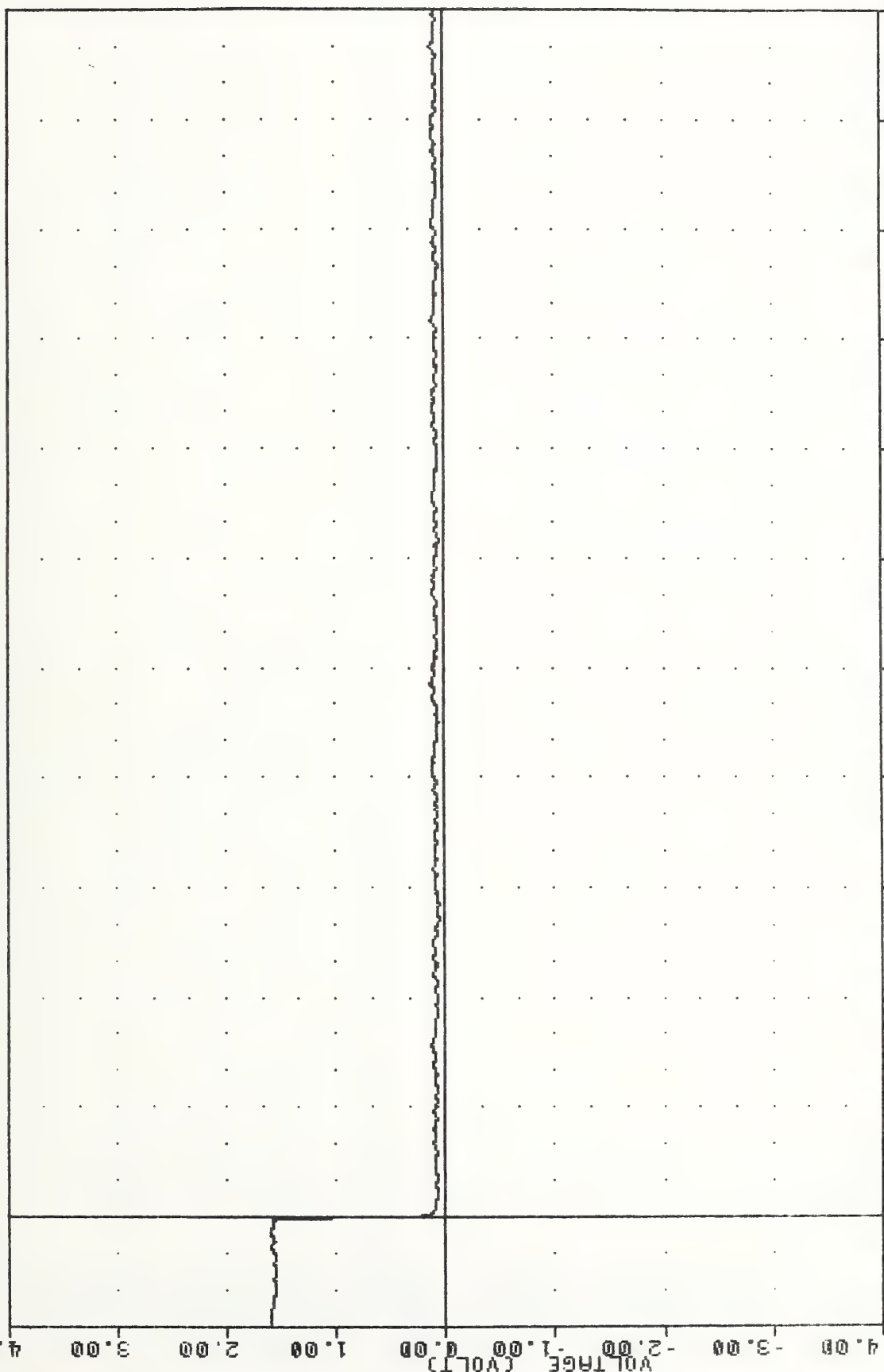
-1.00

-2.00

-3.00

-4.00

631



0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
EVENT

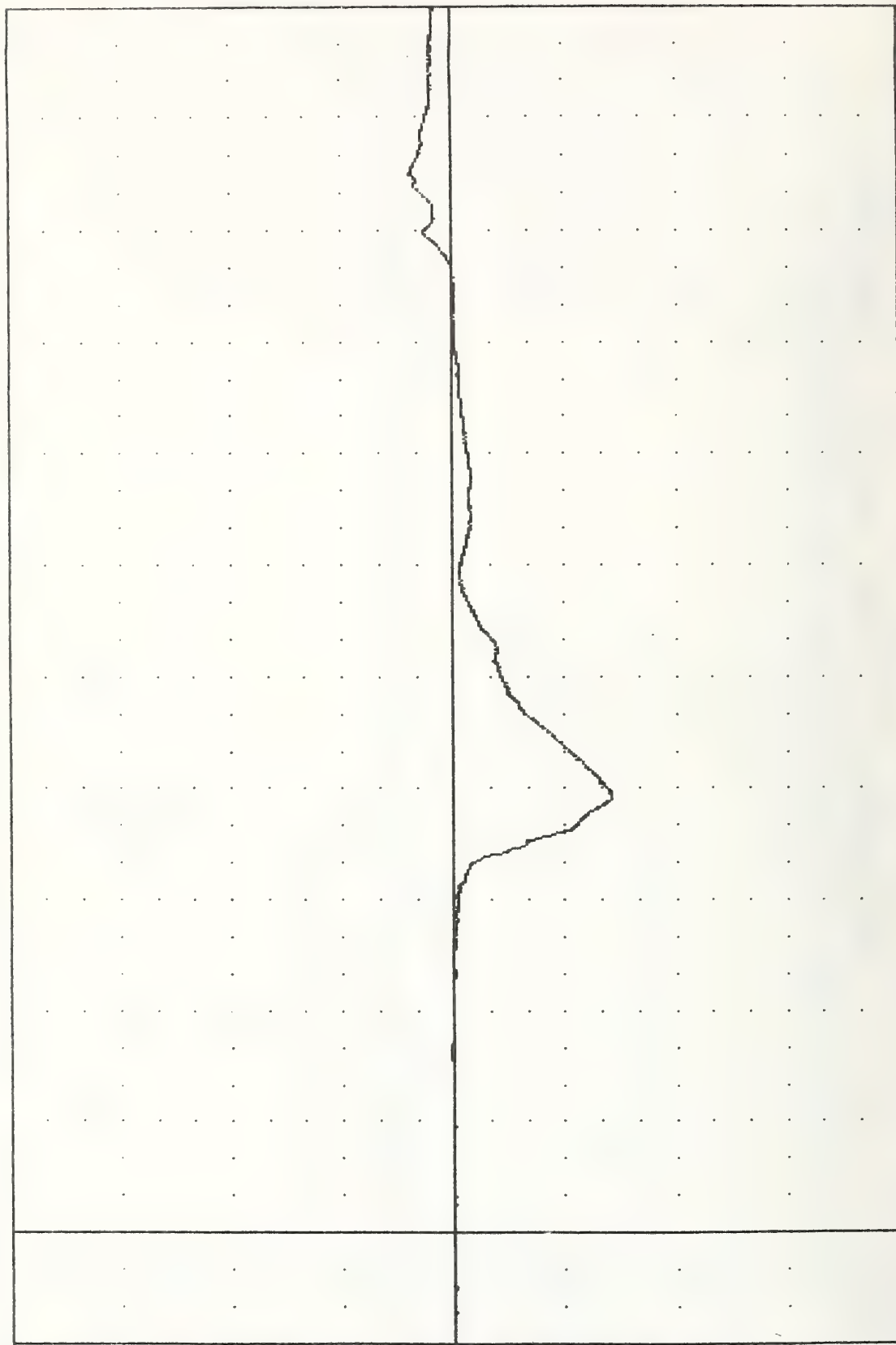
VRTC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 HEDXG1

PLOT DATE 7-JUN-85 08:57:28

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -71.120 78.00, 18.93 0 190.00

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION X AXIS

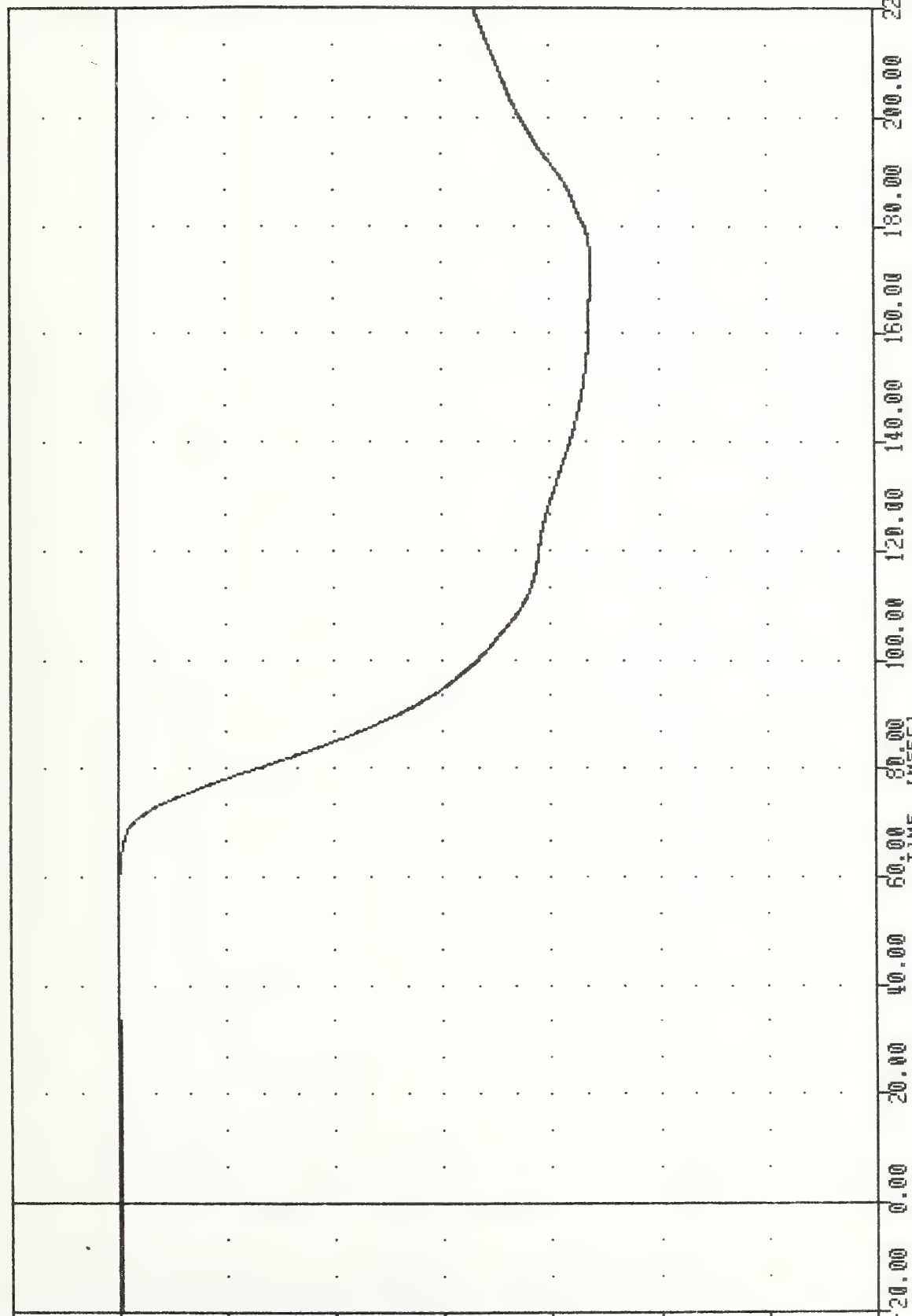
VRIC , R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
HEDXV1

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -43.67 173.88, 0.00 47.13

VELOCITY (MPH)



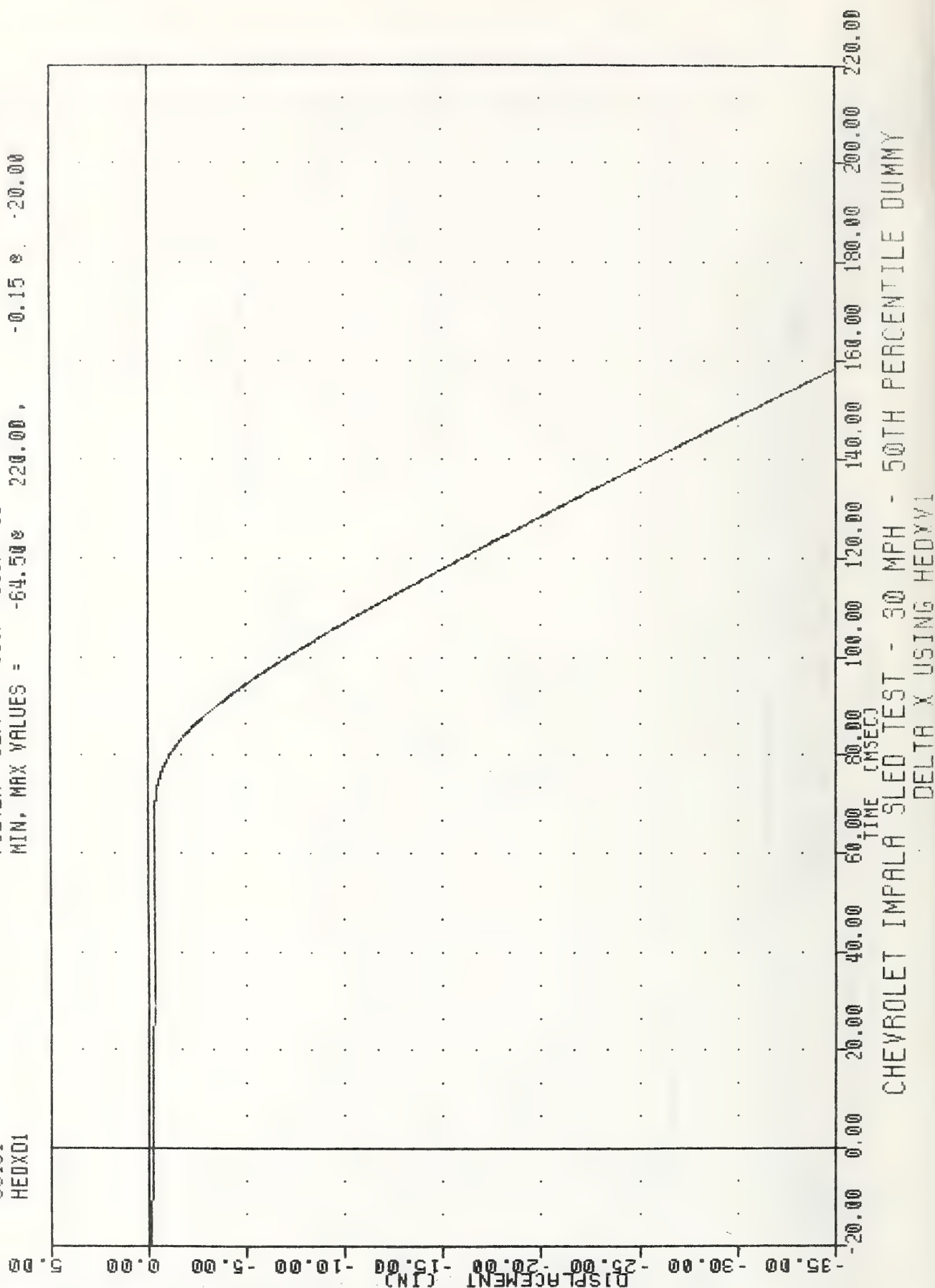
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
HEDXD1

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -64.500 220.00, -0.15 0. -20.00



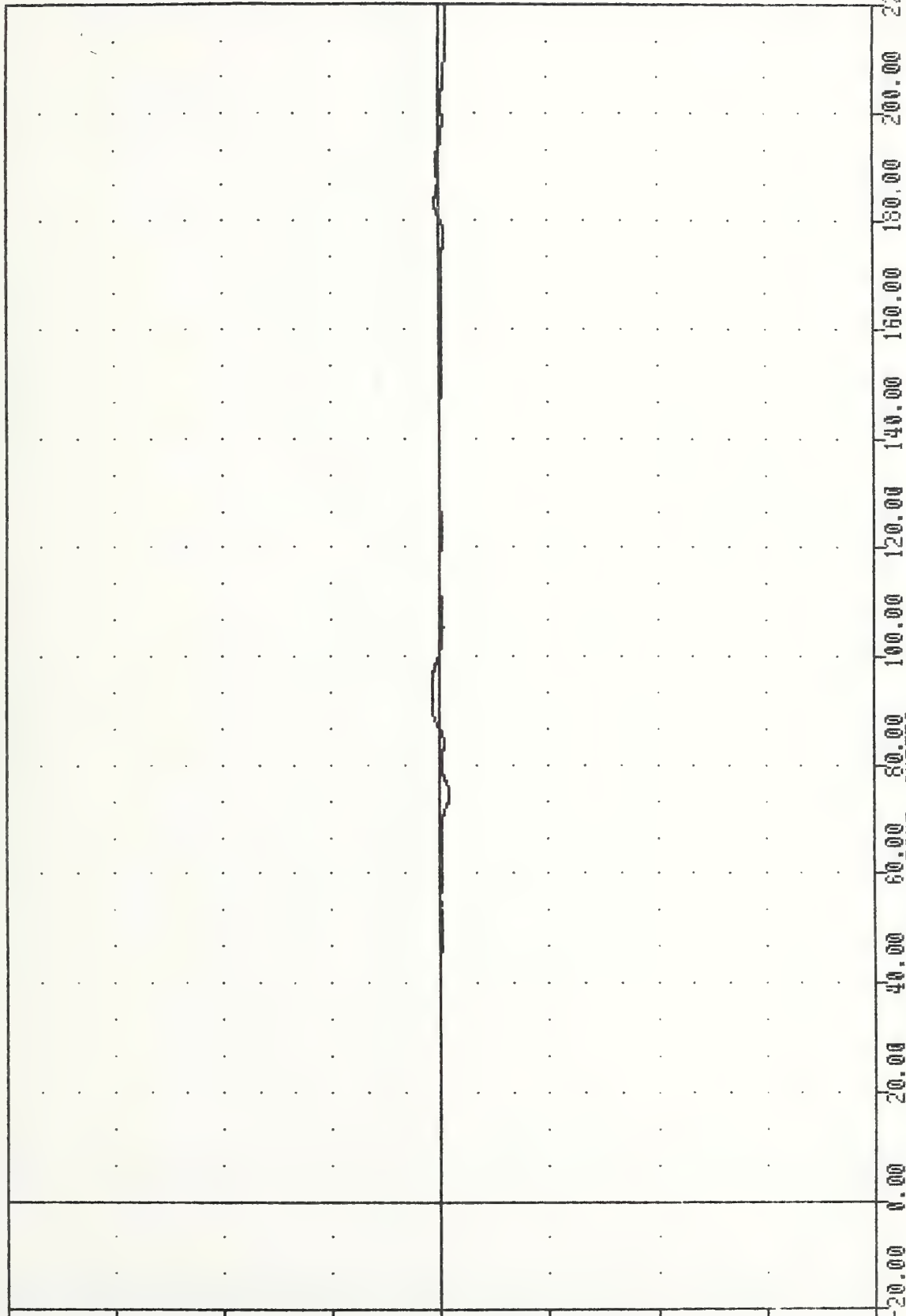
VATIC
BREED AIRBAG SLED PROGRAM
85151
HEDY61

PLOT DATE 7-JUN-85 08:57:28

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -4.24e 74.38, 3.60 e 90.38

ACCELERATION (G)



635

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Y AXIS

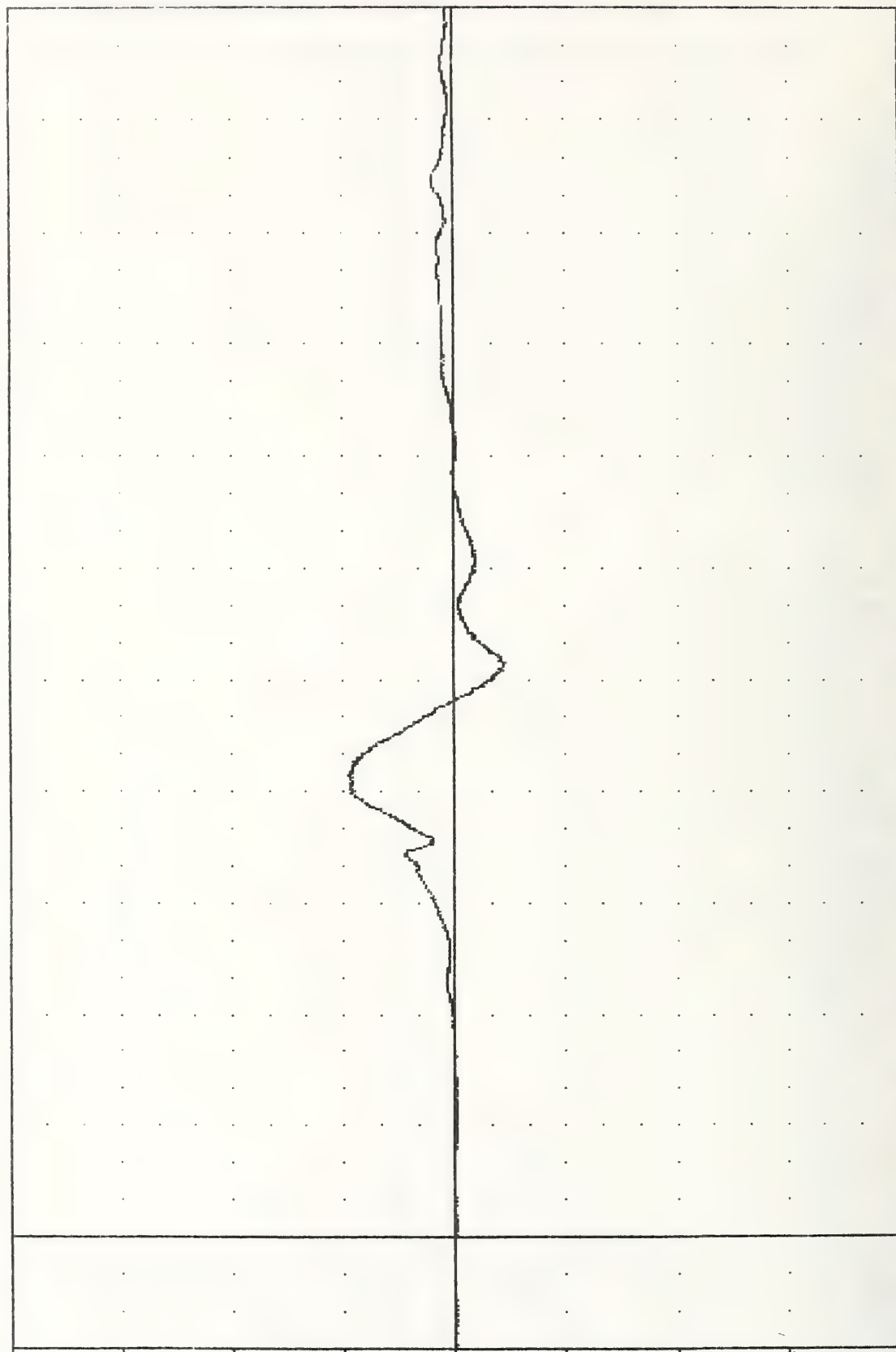
VRTC , R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
HEDZG1

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -23.13 103.00, 47.49 82.88

ACCELERATION (G)



TIME (msec)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

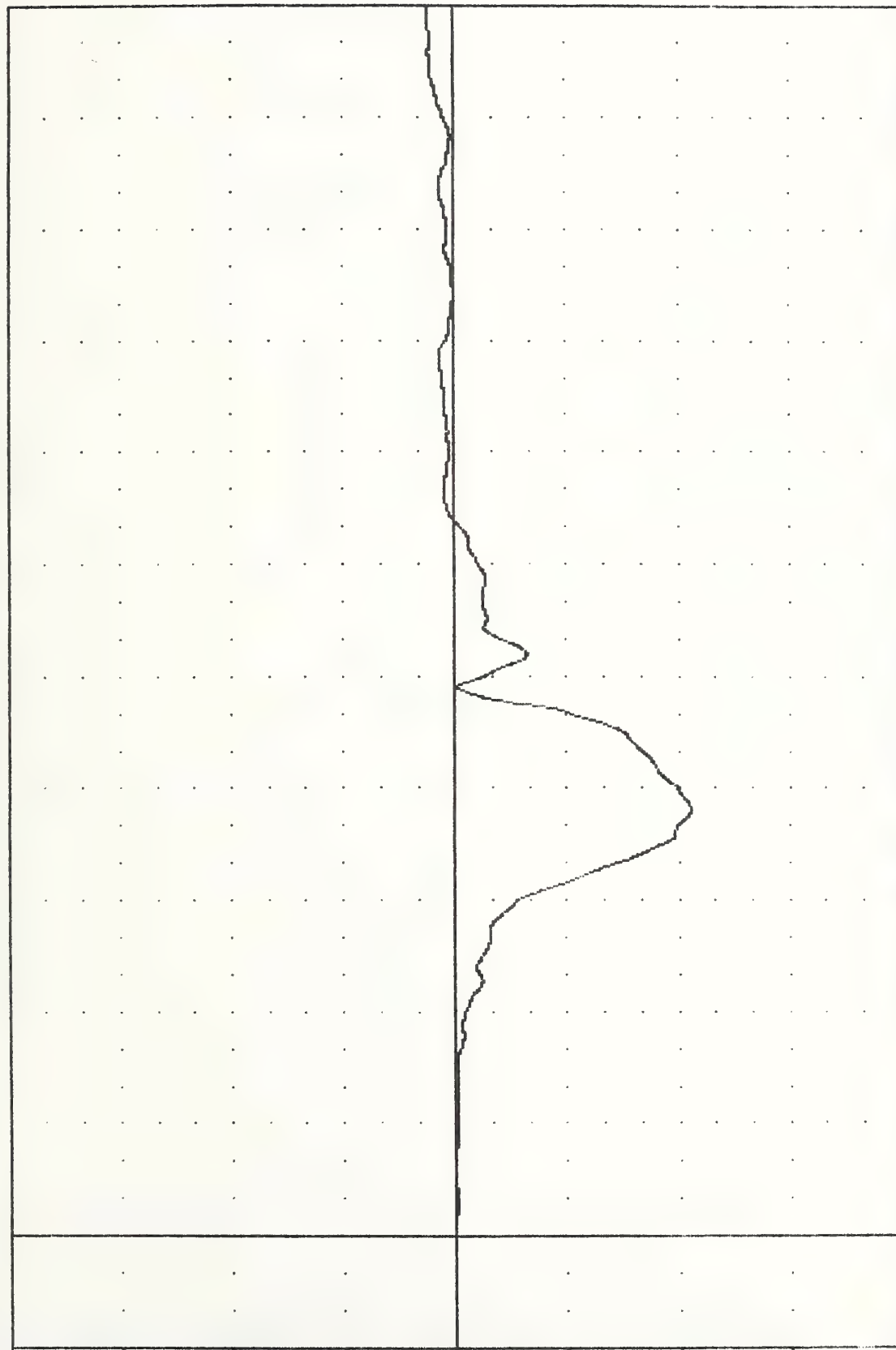
VRTC
BREED AIRBAG SLED PROGRAM
85151
CSTX61

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -52.71e 76.25 5.87 e 216.50

ACCELERATION (G)



TIME (MSEC)

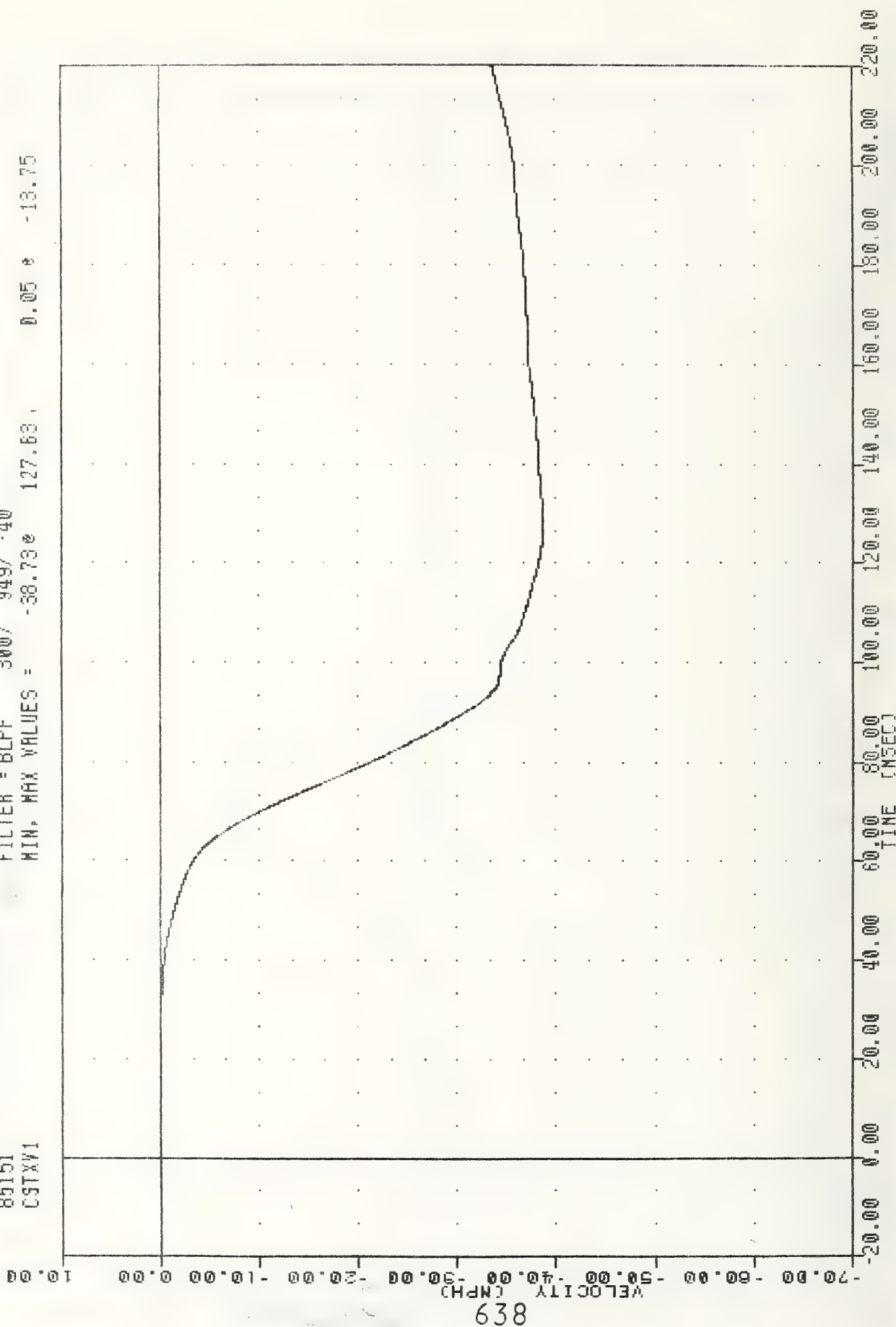
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VATC , RD004-4-43
BREED AIRBAG SLED PROGRAM
85151
CSTXV1

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -38.73e 127.63 , 0.05 e -13.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

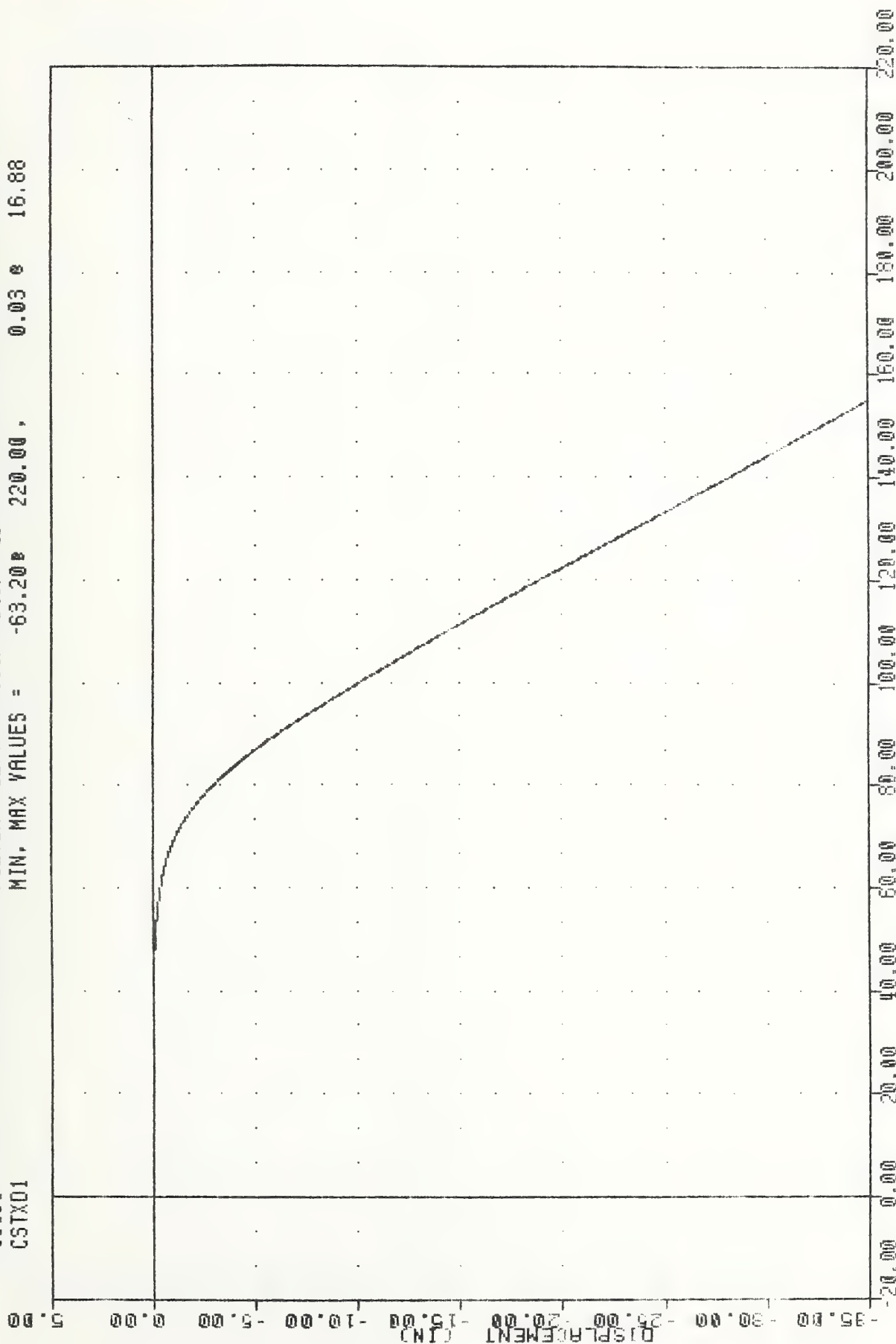
DELTA V USING CSTXG1

VRTC
BREED AIRBAG SLED PROGRAM
85151
CSTXD1

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -63.20 220.00 0.03 16.88



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXVI

VRAC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 CSTY61

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -7.97e 82.50, 4.70e 94.38

ACCELERATION (G)

100.00

75.00

50.00

25.00

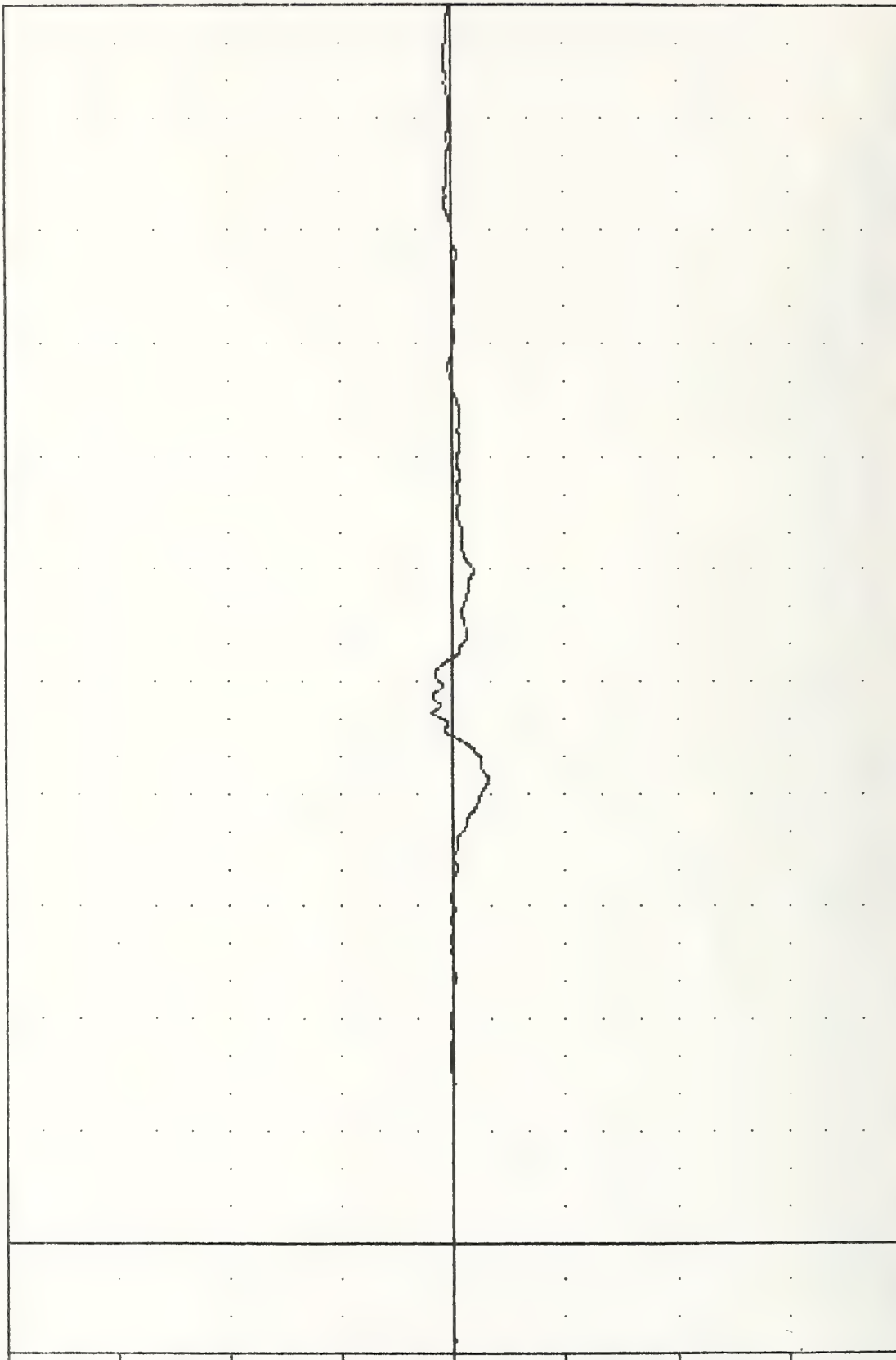
0.00

-25.00

-50.00

-75.00

-100.00



TIME (msec) 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

VRTC , R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
CS1761

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -15.478 110.88, 10.04 e 73.38

100.00

75.00

50.00

25.00

0.00

-25.00

-50.00

-75.00

-100.00

-20.00

0.00

20.00

40.00

60.00

80.00

100.00

120.00

140.00

160.00

180.00

200.00

220.00

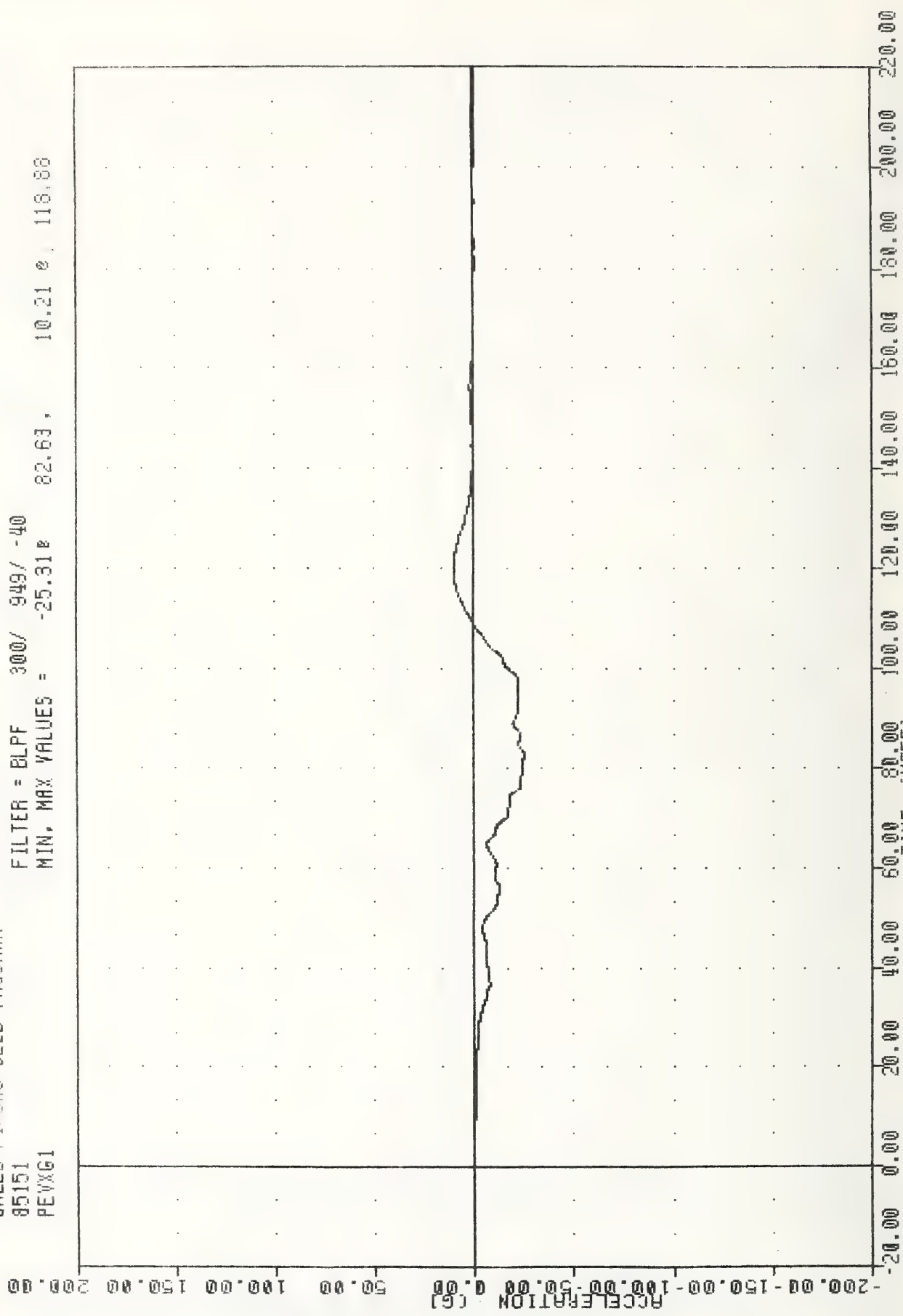
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

DRIVER CHEST ACCELERATION Z AXIS

VRTC , R0364-4-43
 BREED FIBRAG SLED PROGRAM
 85151
 PEVXG1

PLOT DATE 7-JUN-85 08:59:35
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -25.31% 82.63, 10.21% 118.88



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION X AXIS

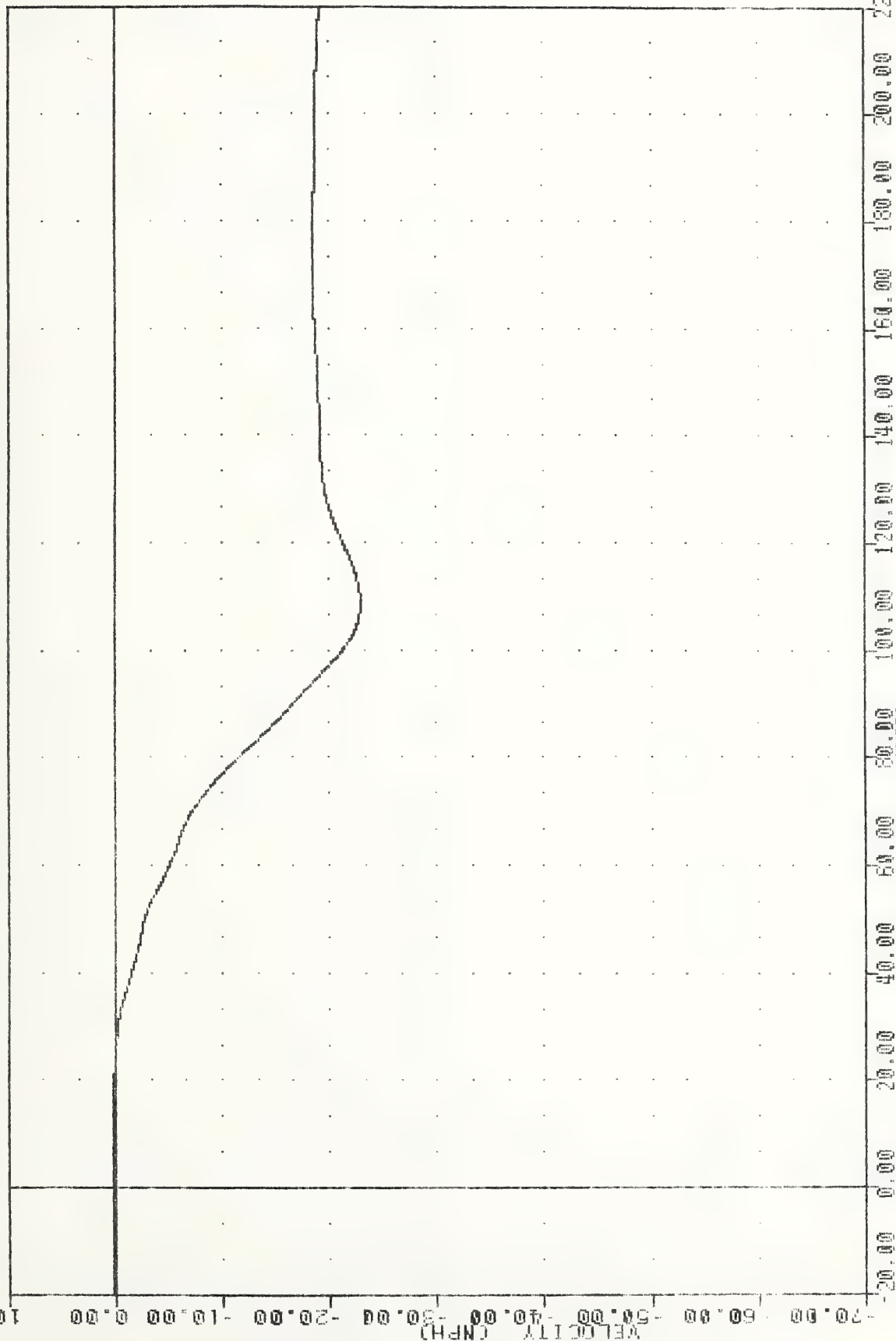
VRIC , RD384-4-43
BAEED AIRBAG SLED PROGRAM
85151
PEVXV1

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -22.90 108.50 , 0.25 0 -20.00

10.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

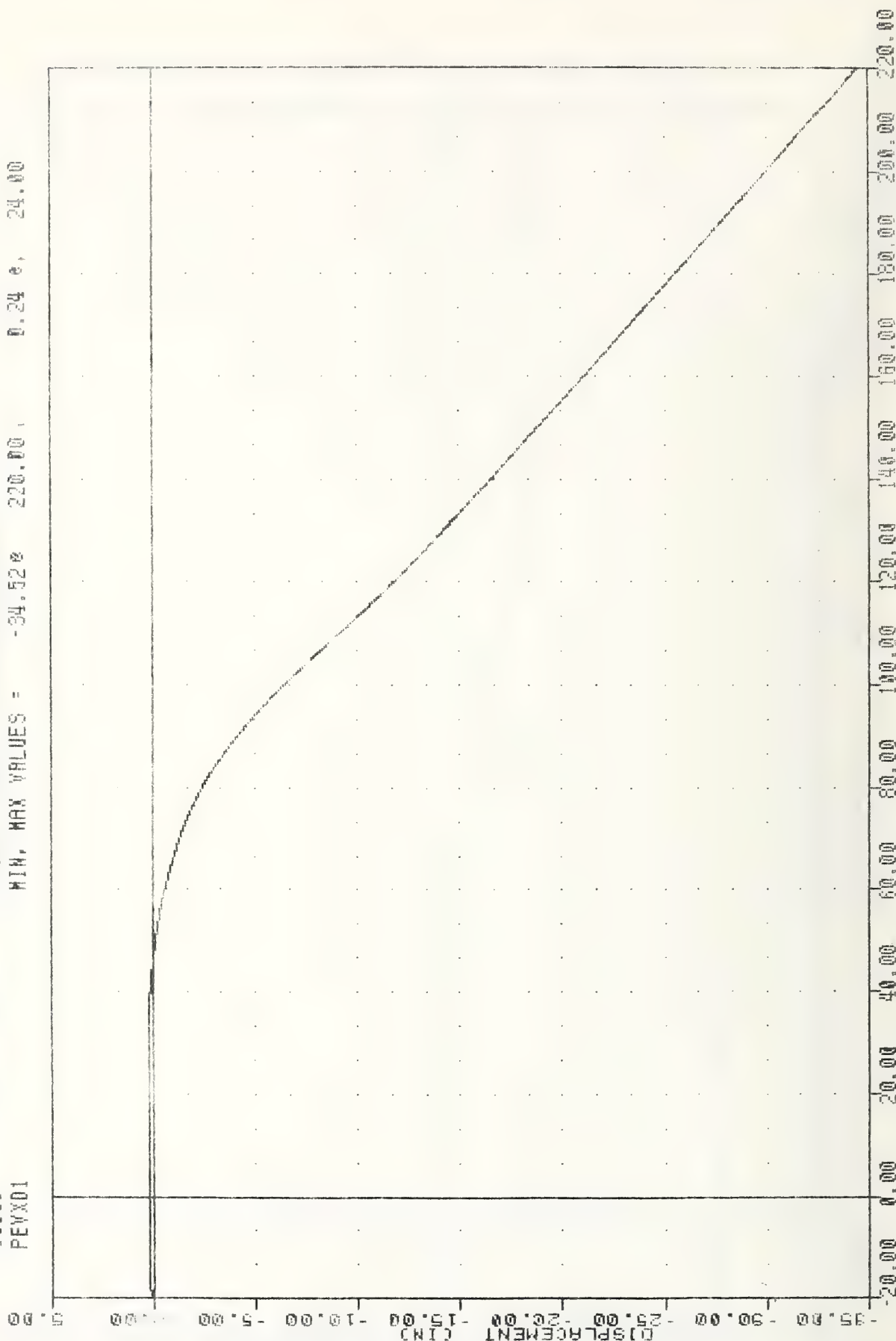
DELTA V USING PEVXG1

VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
PEYX01

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -34.528 220.00 , 0.24 e, 24.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

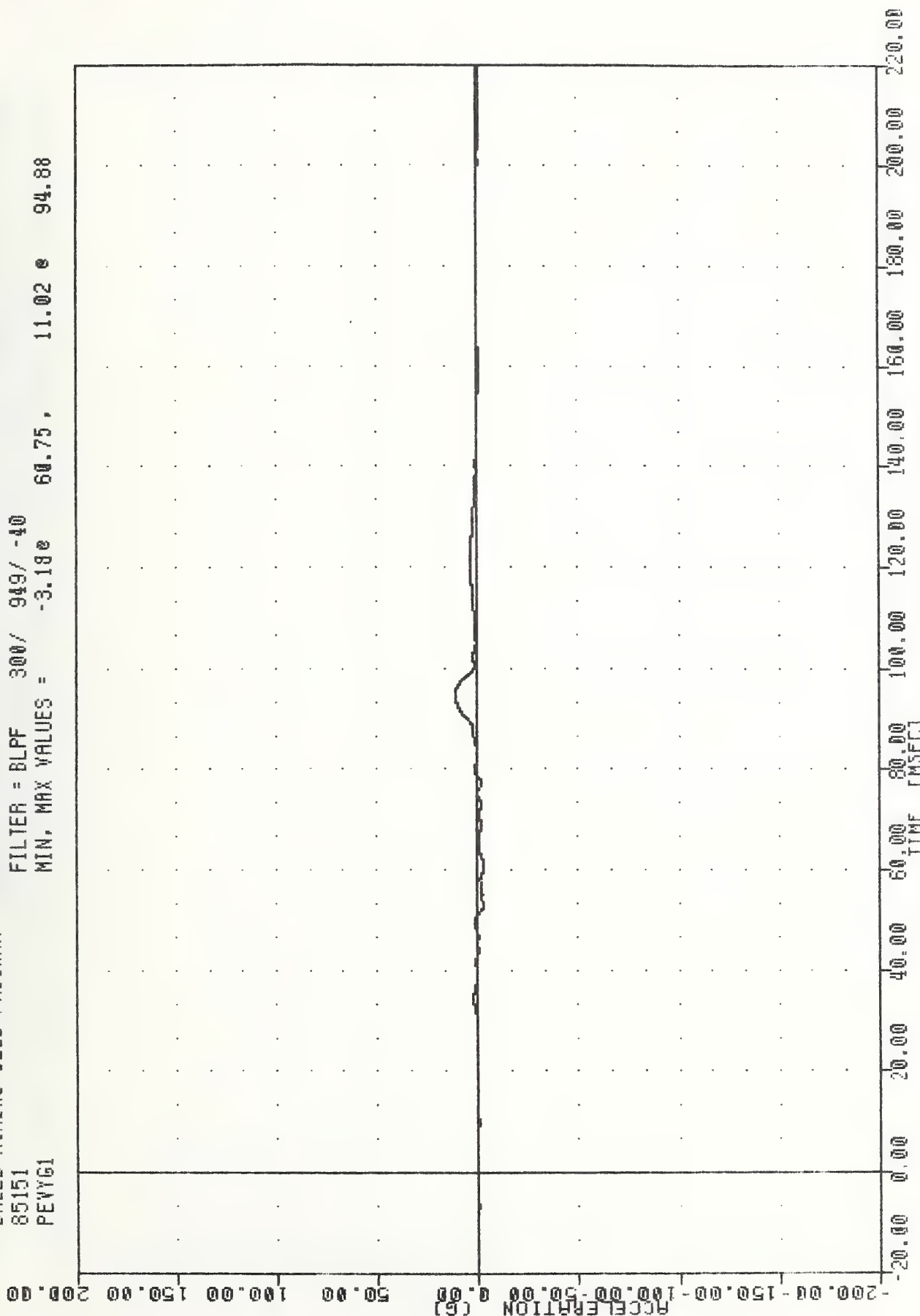
DELTA X USING FEV X1

WRTC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 PEVY61

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -3.18e 60.75, 11.02 e 94.88



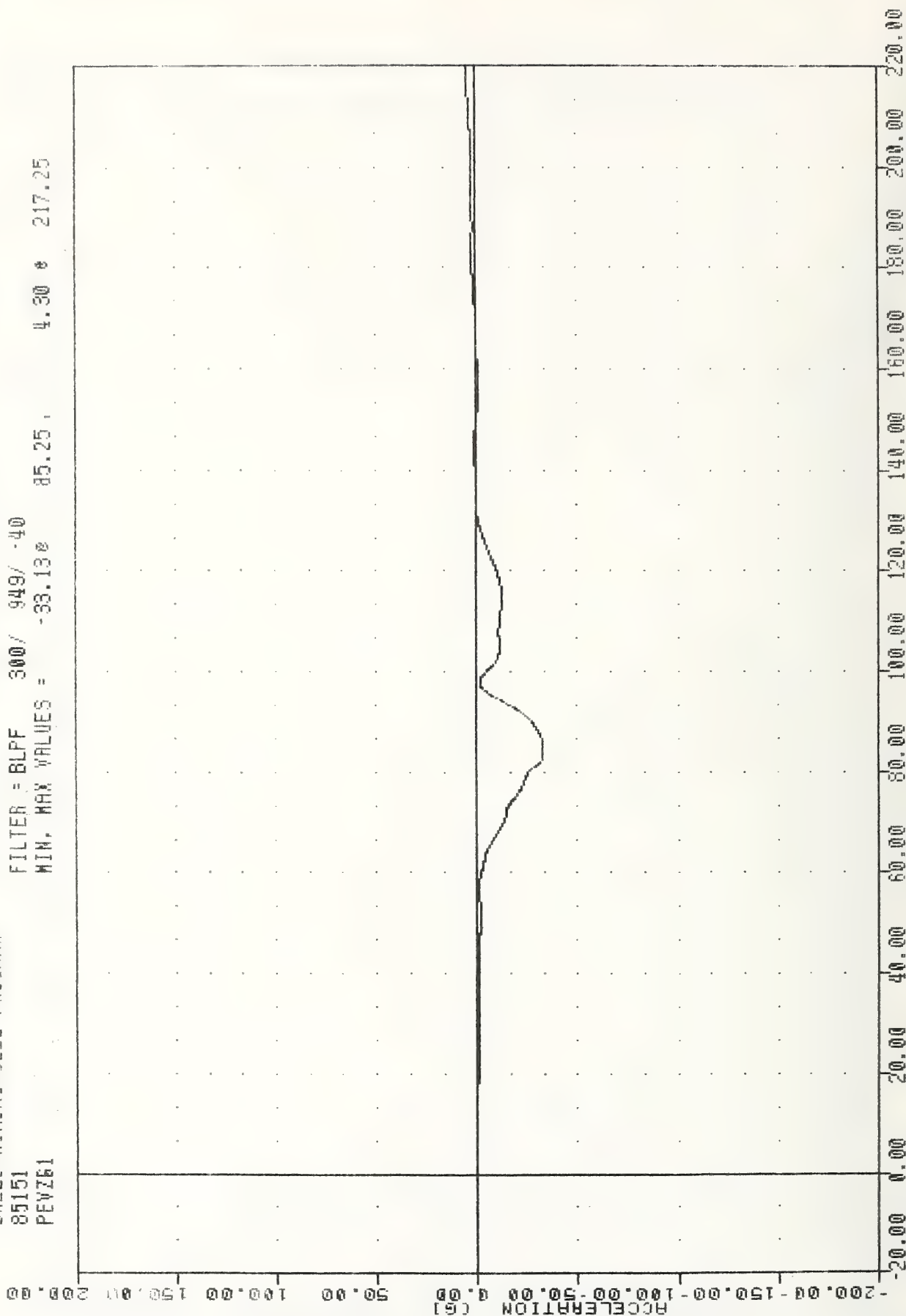
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

VRTC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 PEVZ61

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -33.13 85.25 4.30 217.25



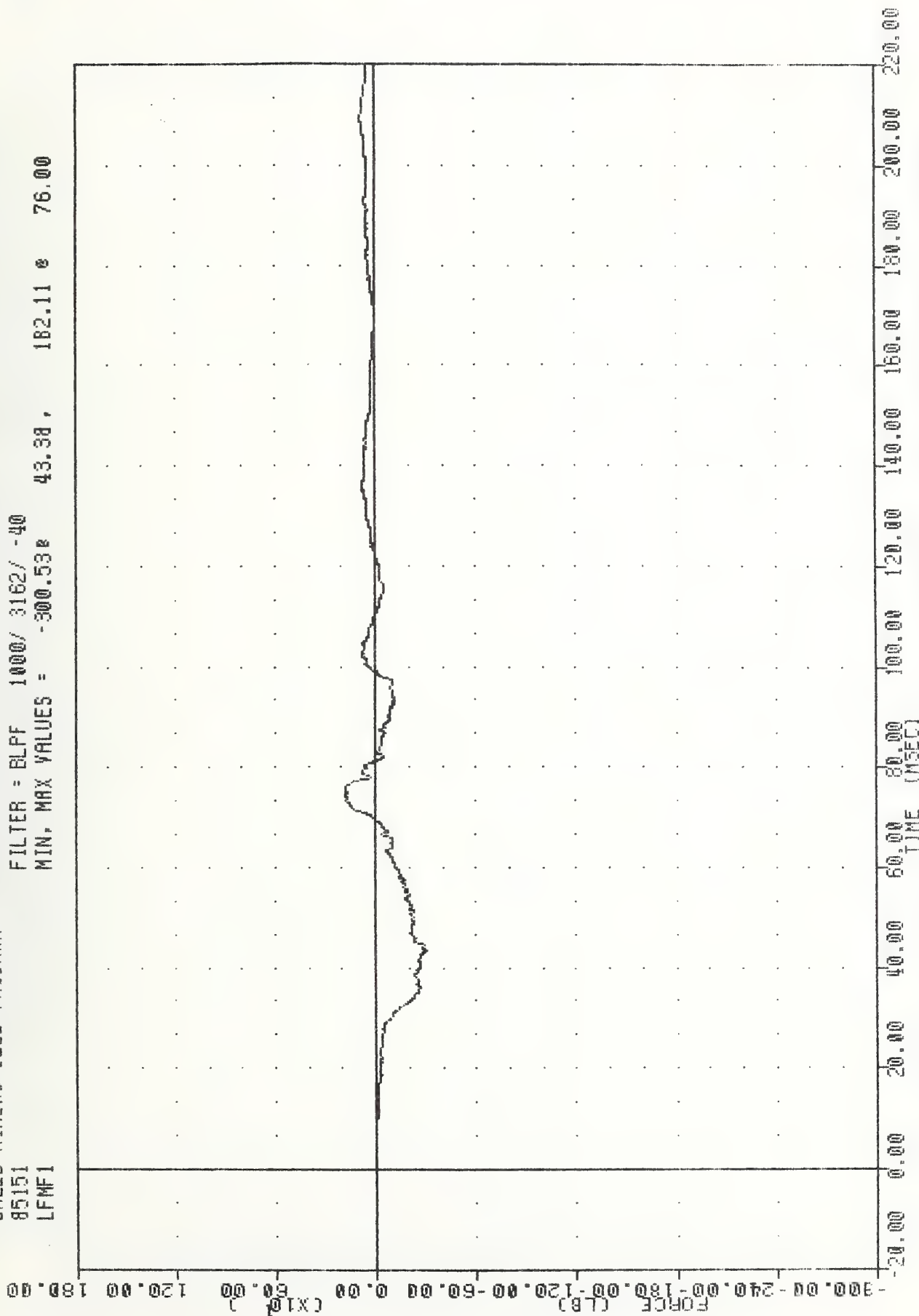
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

VRTC , R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
LFMF1

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -300.53e 43.38 , 182.11 e 76.00



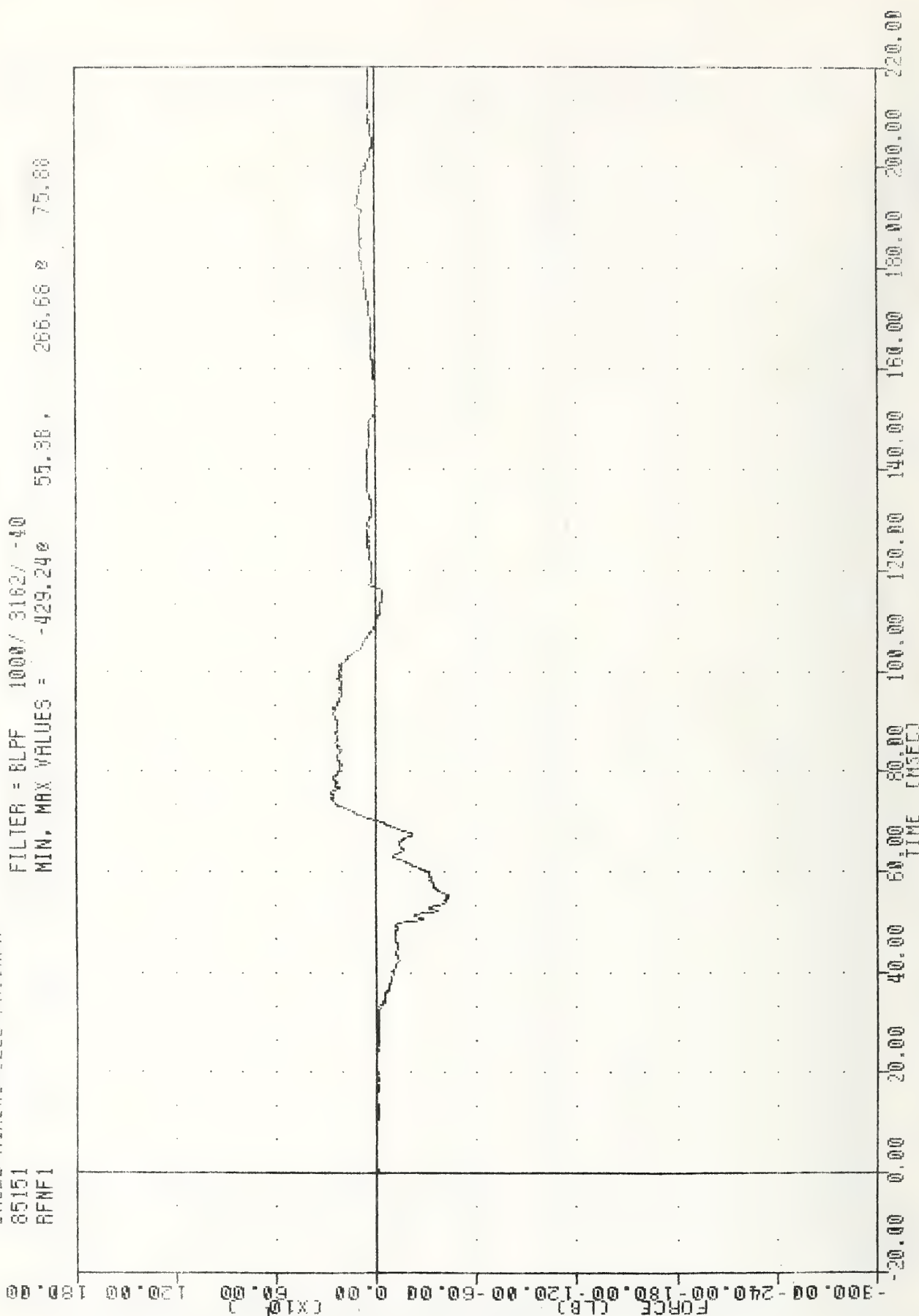
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

VRTC , R0384-4-43
BASED AIRRAG SLED PROGRAM
85151
RFNF1

PLOT DATE 7-JUN-85 00:39:45

FILTER = 8LPF 1000/ 3162/ -40

MIN. MAX VALUES = -429.24 55.38 , 266.66 75.80



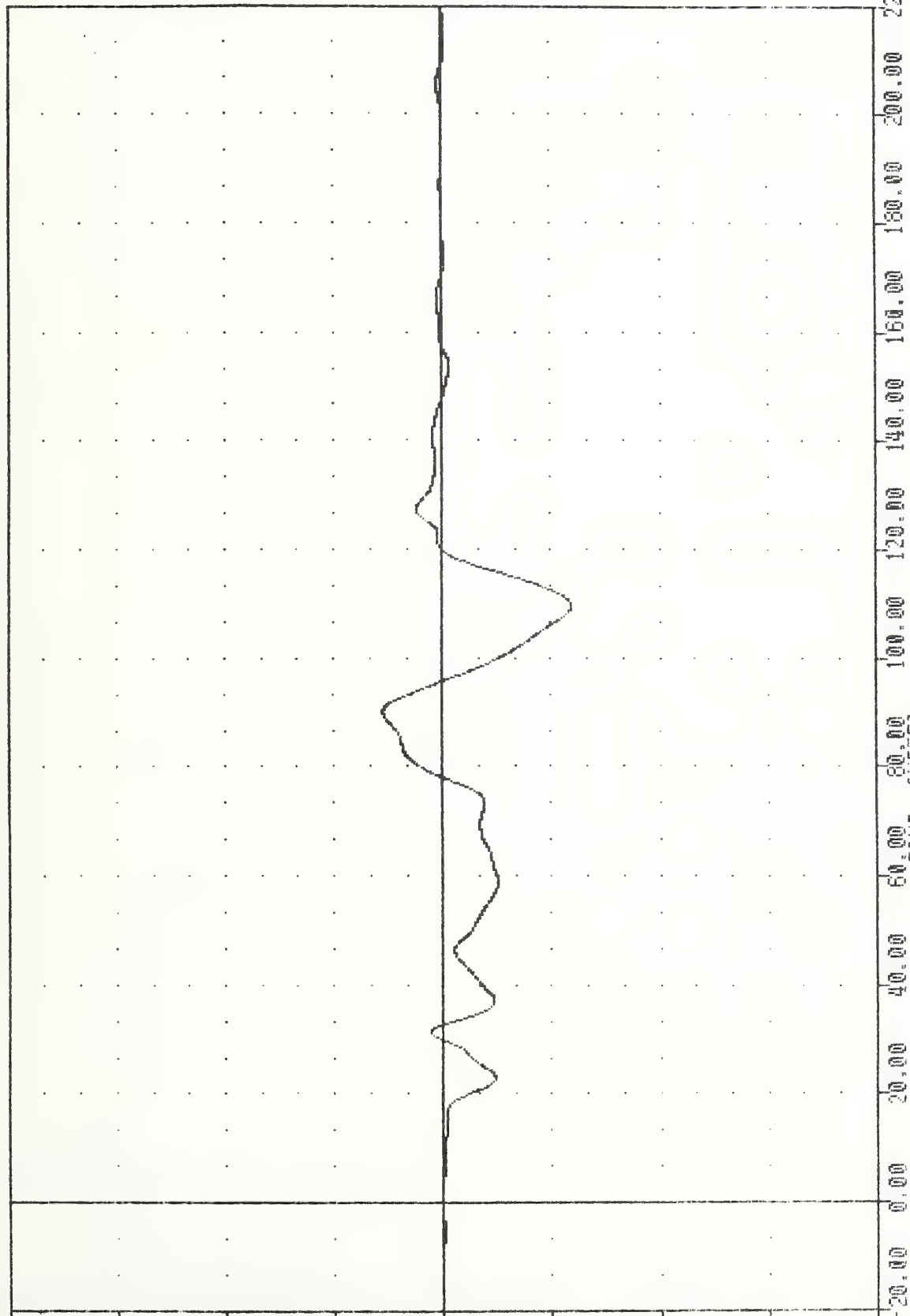
VRIC , R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
STHP6

PLOT DATE 7-JUN-85 06:59:35

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -59.26e 109.50 , 27.49 e 90.00

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

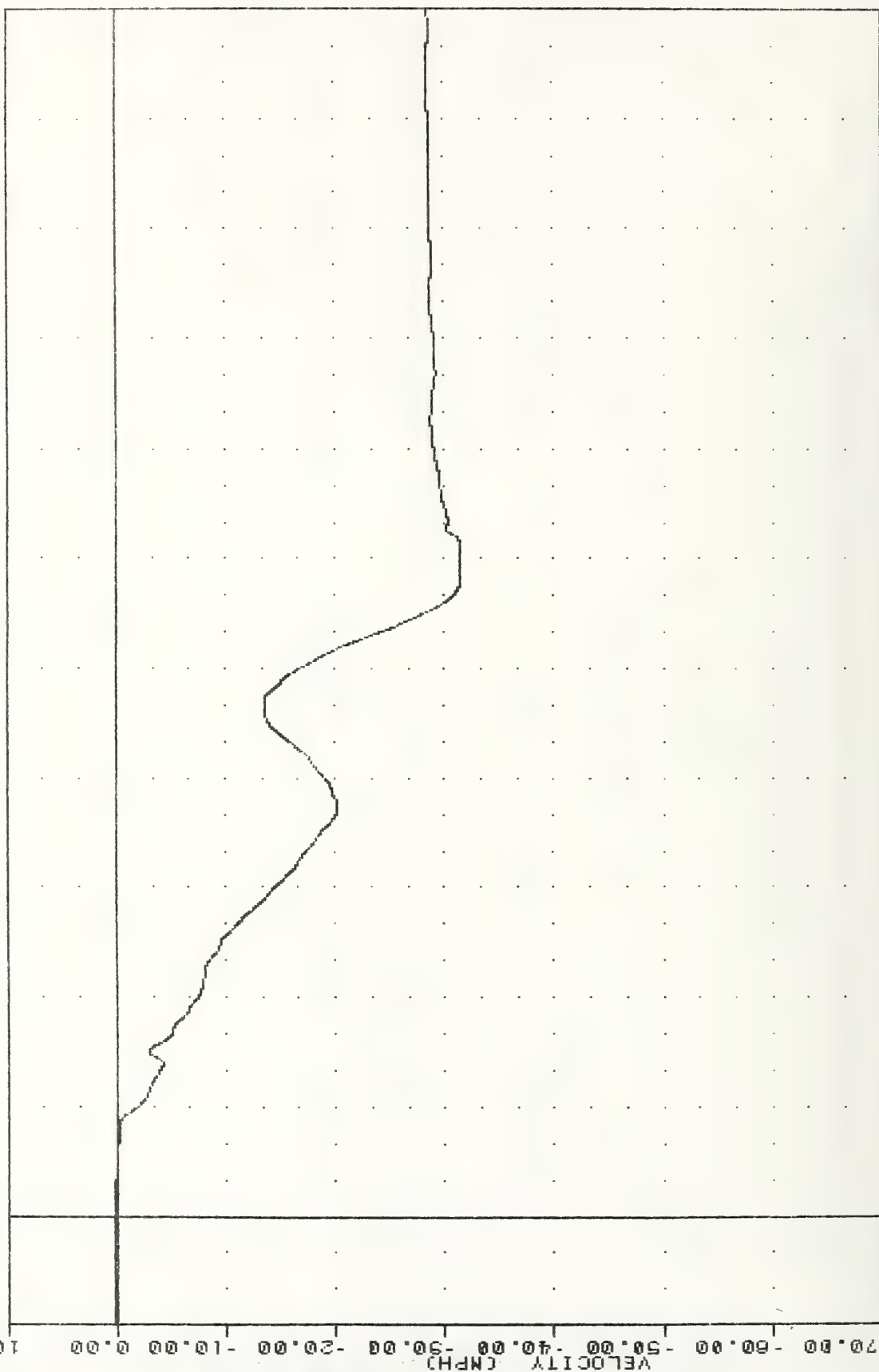
WRTC
BACED AIRBAG SLED PROGRAM
85151
STHPV

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -31.52e 119.63, 0.18 e -15.50

10.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (INSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

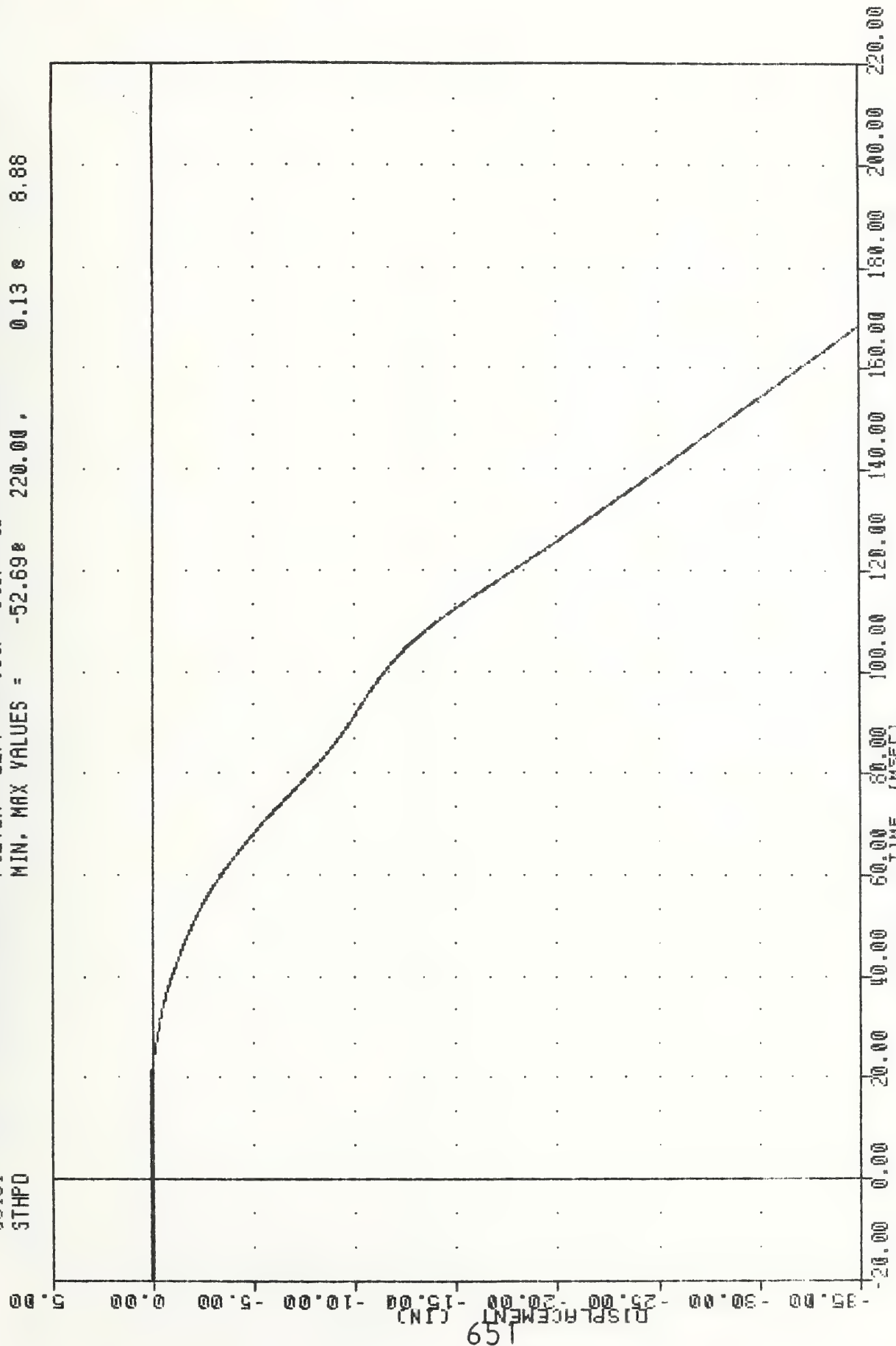
DELTA V USING STHPG

VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
STHPD

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -52.69e 220.00, 0.13 e 8.88



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING STHPV

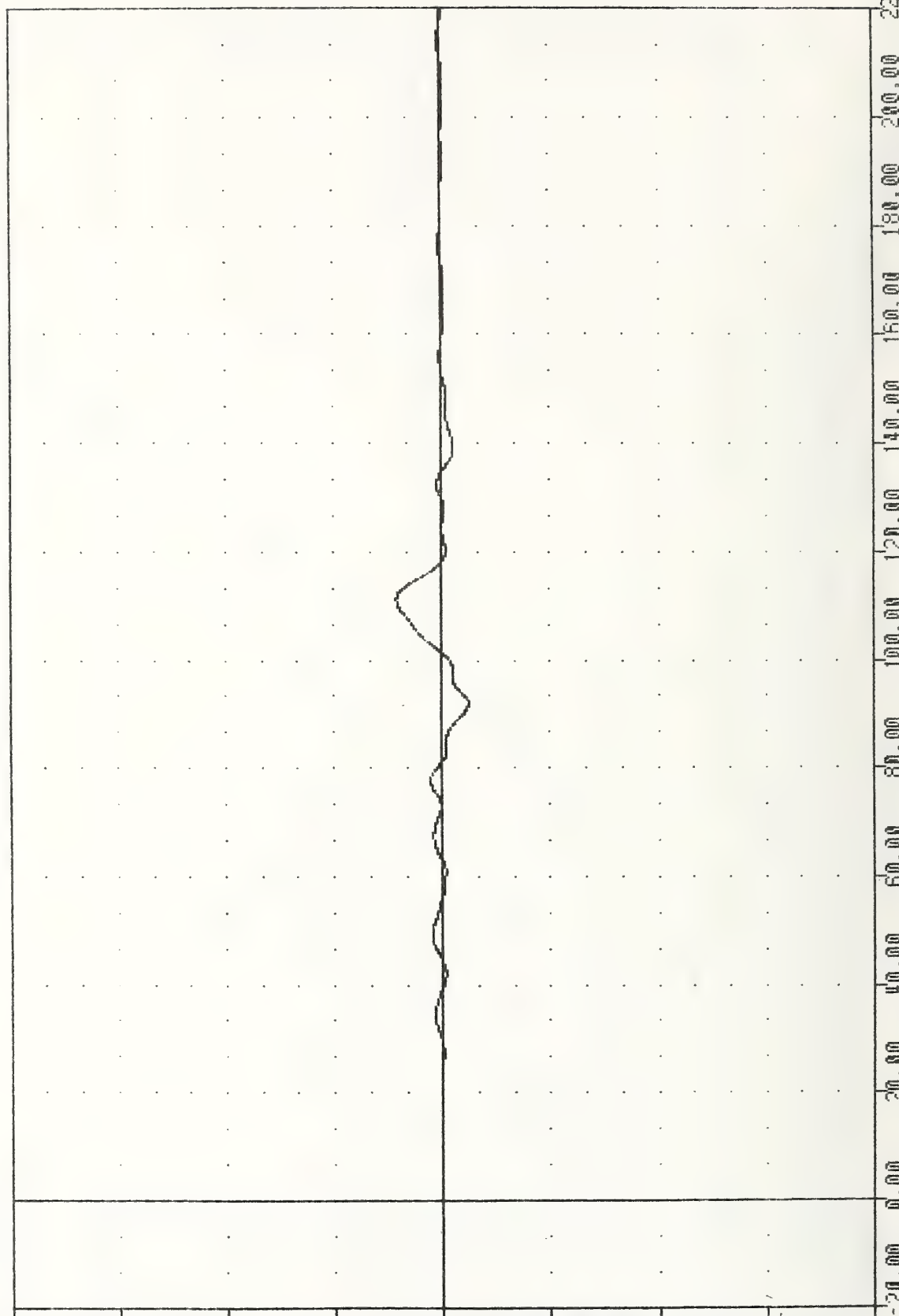
VRTC , R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
STHLG

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -12.24 91.88, 20.99 111.13

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

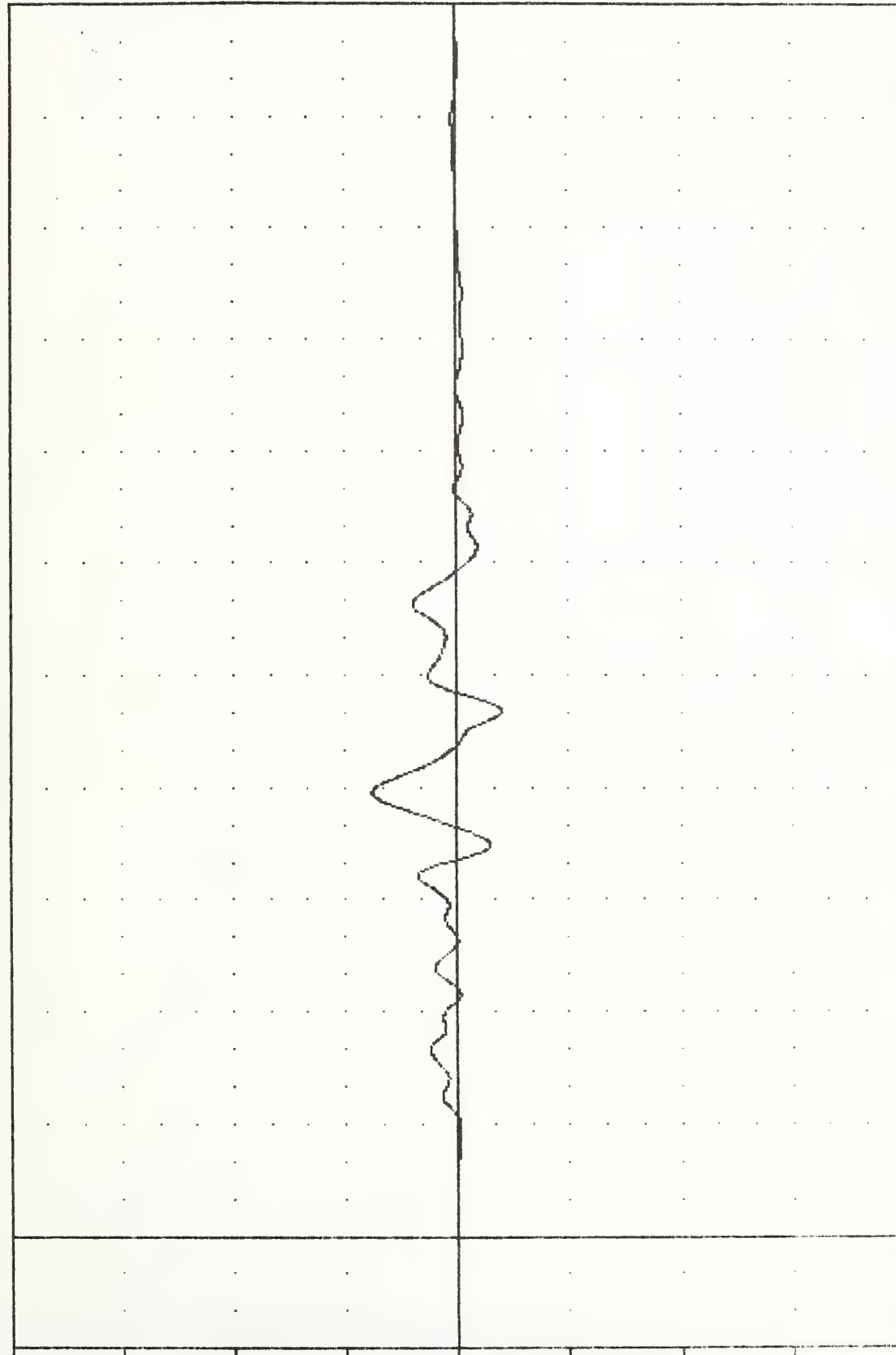
VRTC
 BREED AIRBAG SLED PROGRAM
 85151
 STH16

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -19.86g 93.63, 37.98 g 79.13

ACCELERATION (G)



-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00 220.00

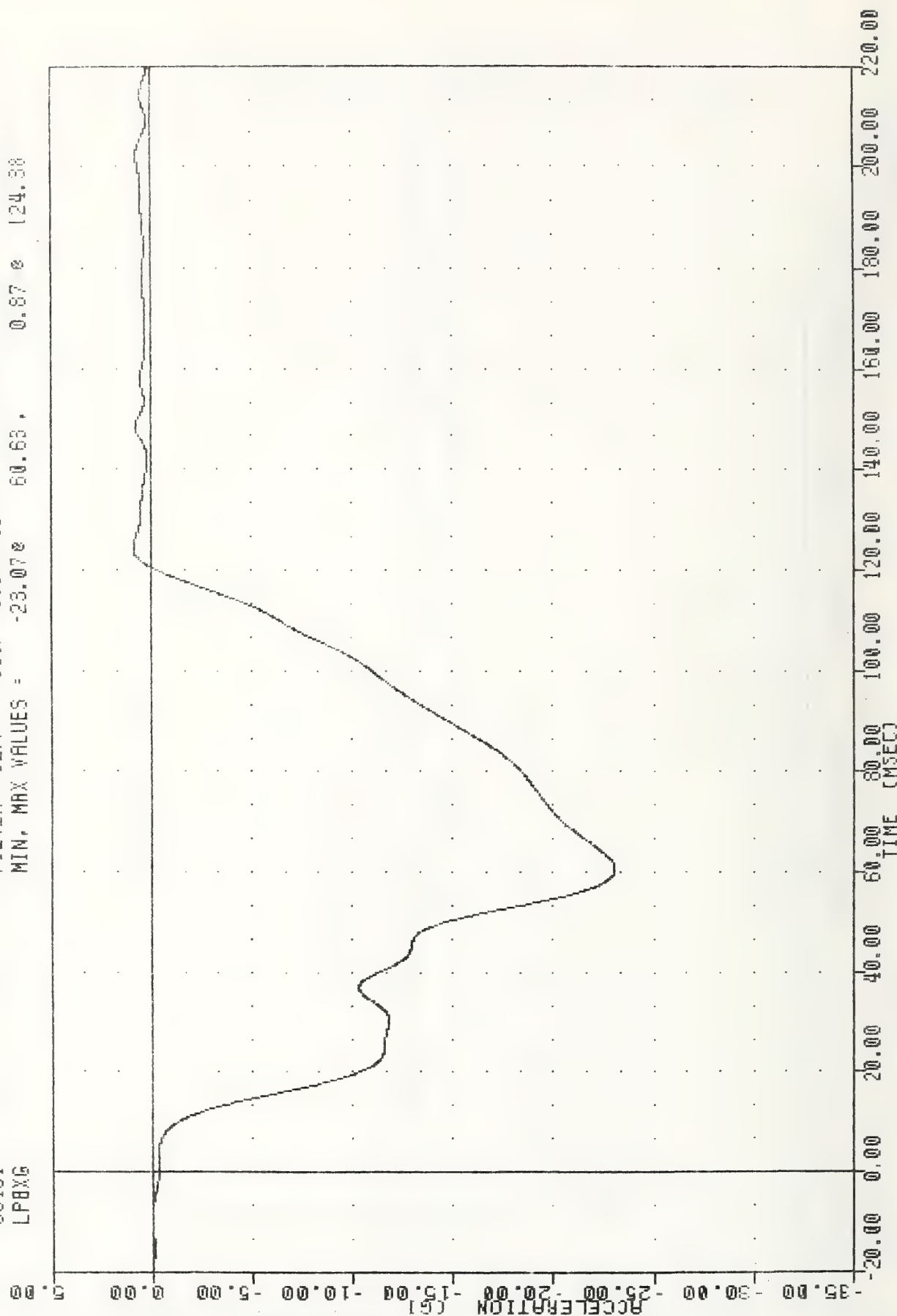
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION I-S AXIS

VRTC , RD384-4-43
BRAED AIRBAG SLED PROGRAM
85151
LPBXG

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -23.07e 60.63. 0.87 e 124.38



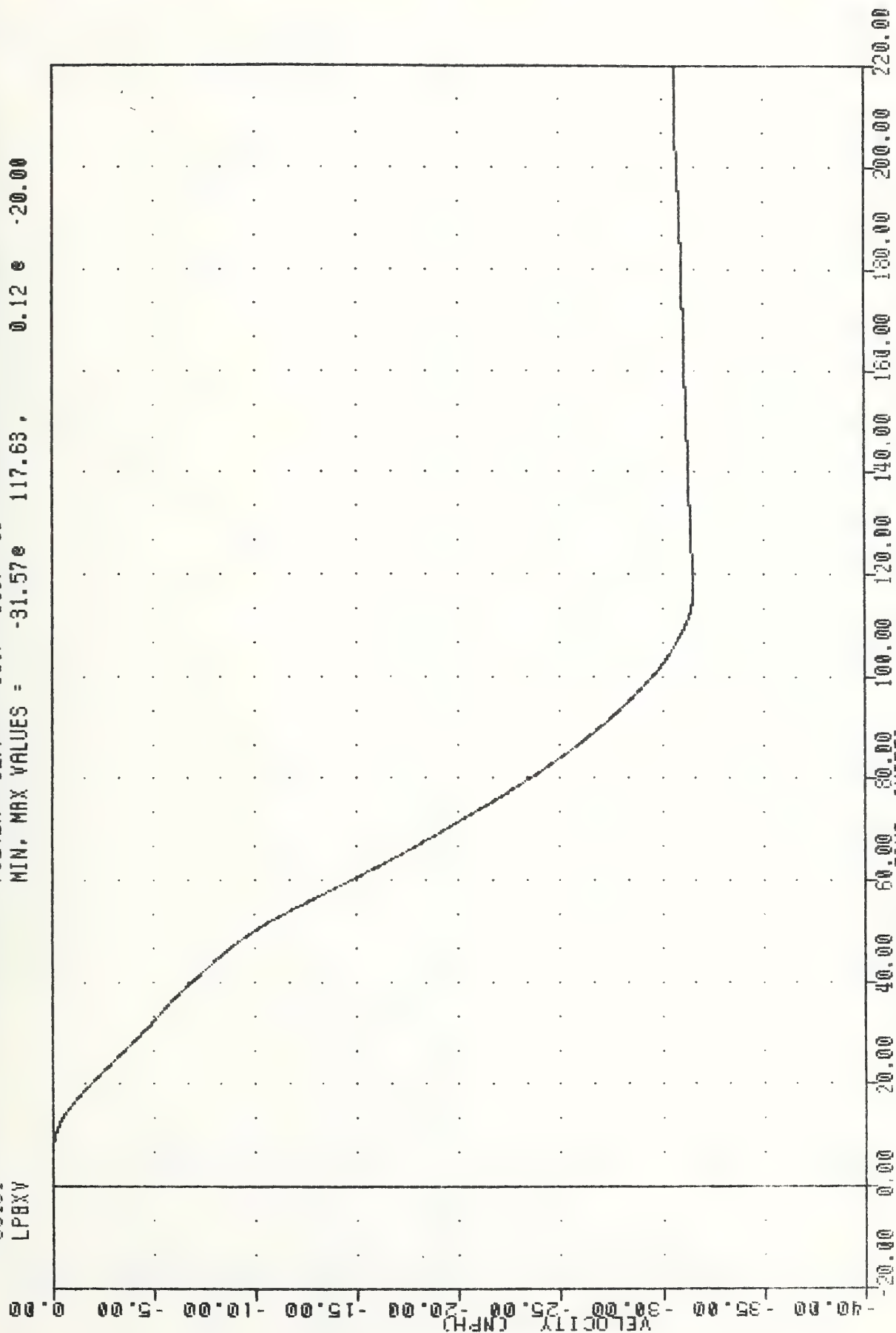
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 25151
 LPBXV

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -31.57e 117.63, 0.12 e -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

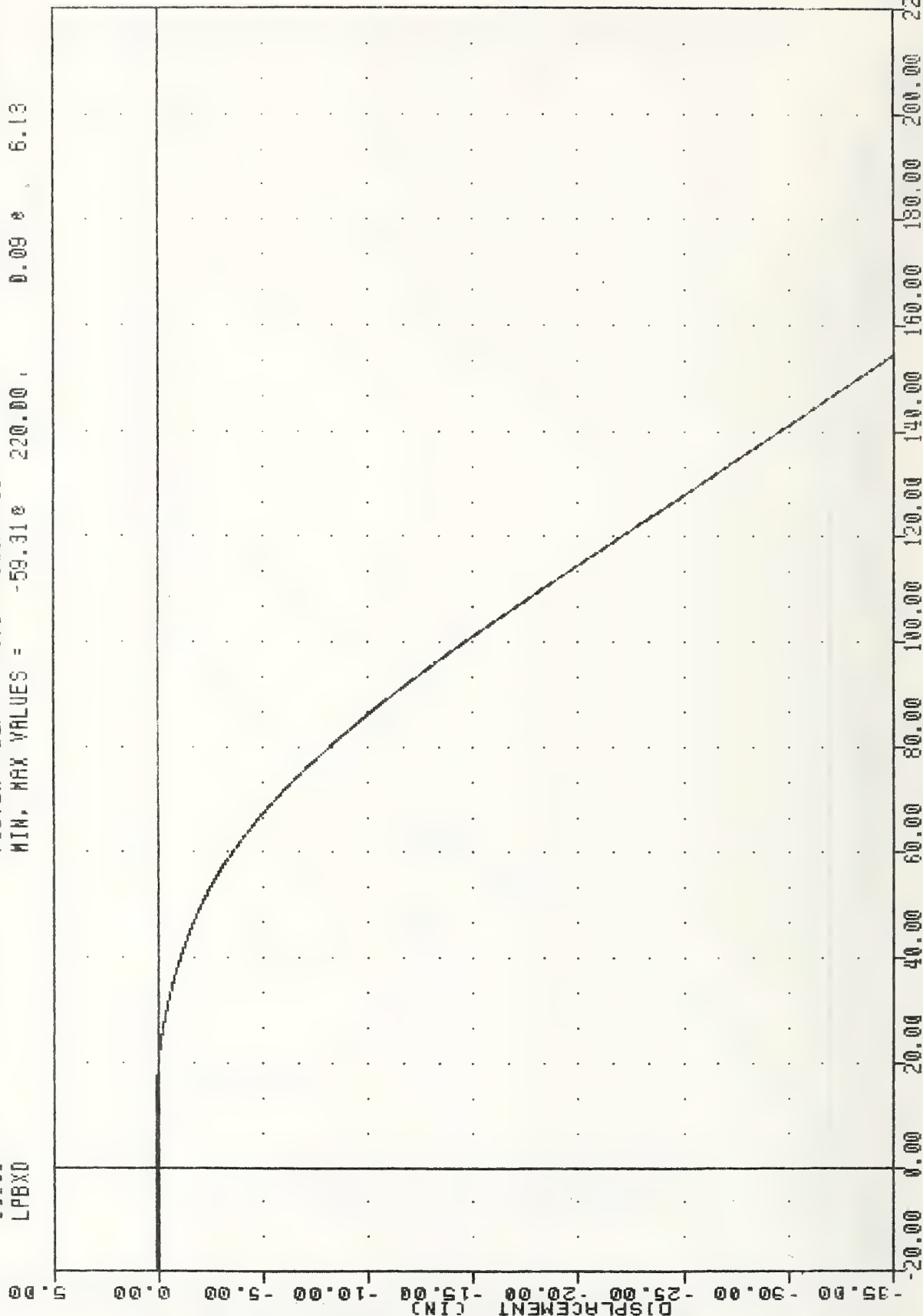
DELTA V USING LPBXG

WATC
BREED AIRBAG SLED PROGRAM
85151
LPBX0

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -59.318 220.00, 0.098, 6.13



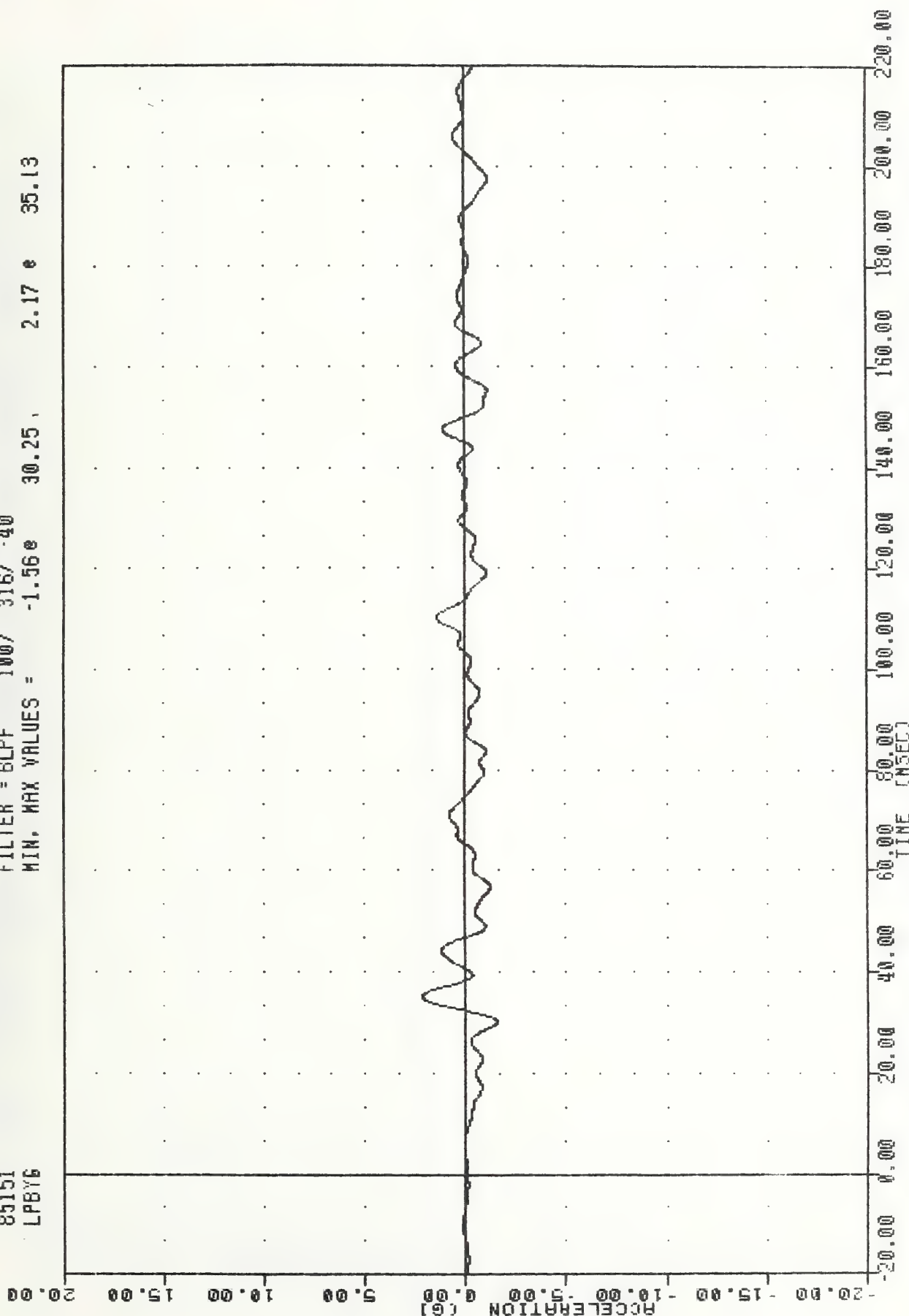
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING LPBXV

VRTC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 LPBYG

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -1.56e 30.25, 2.17 e 35.13



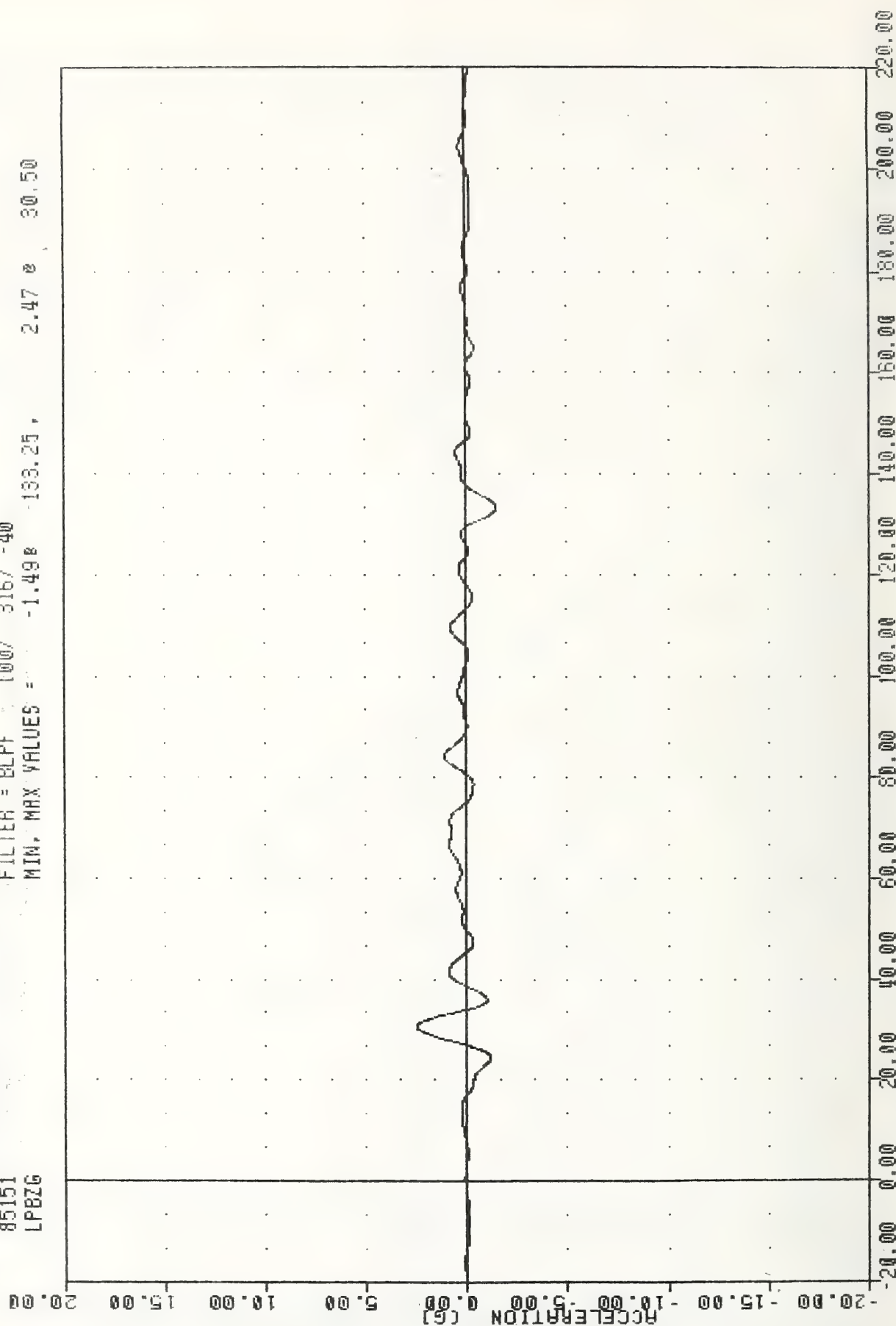
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 PILLAR LEFT B ACCELERATION Y AXIS

85151
 BREED AIRBAG SLED PROGRAM
 85151
 LPBZG

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF : 100/ 316/ -40

MIN, MAX VALUES = -1.49E -133.25, 2.47E 30.50



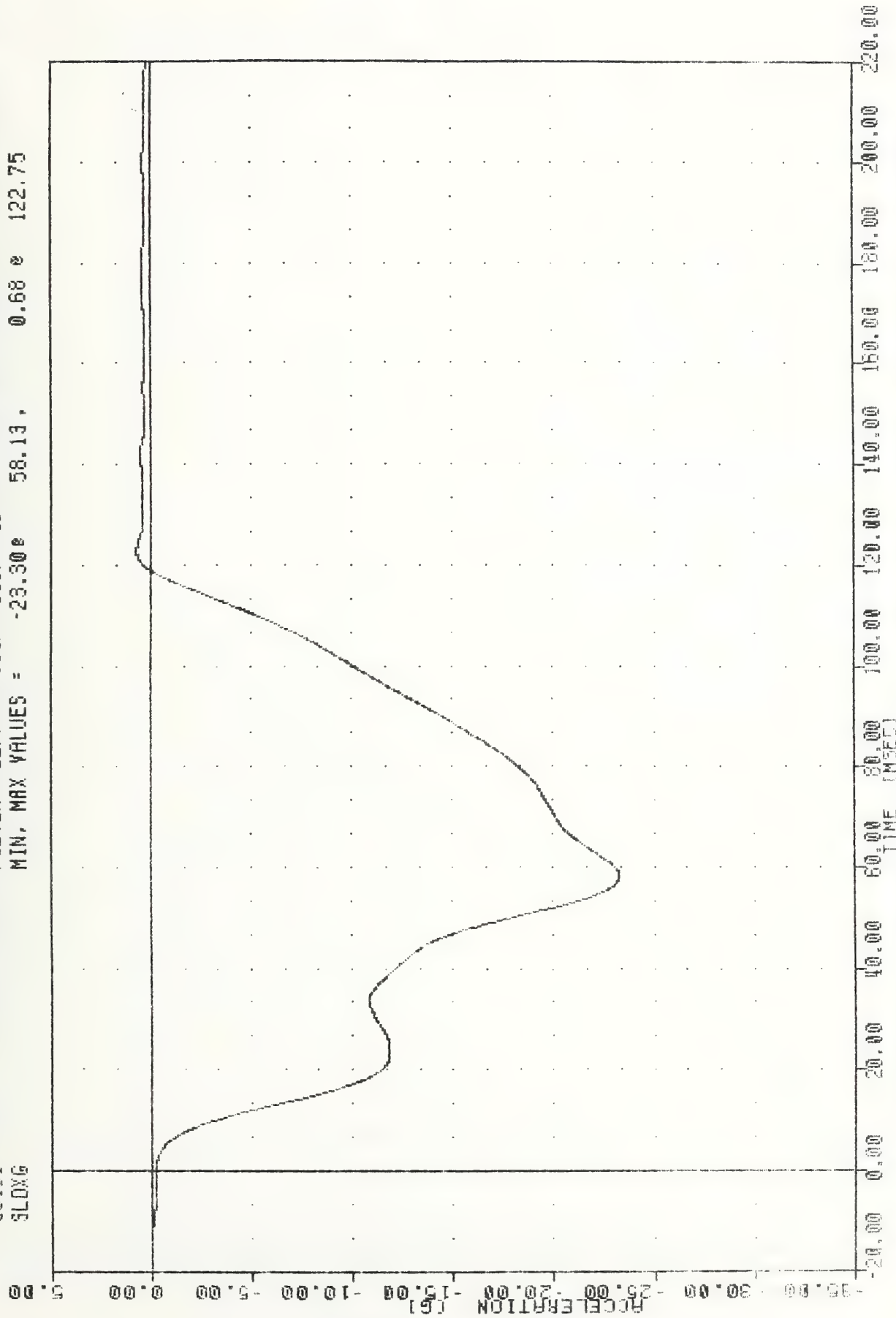
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 PILLAR LEFT B ACCELERATION Z AXIS

VRTC , R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
SLOXG

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -23.30e 58.13, 0.68 e 122.75



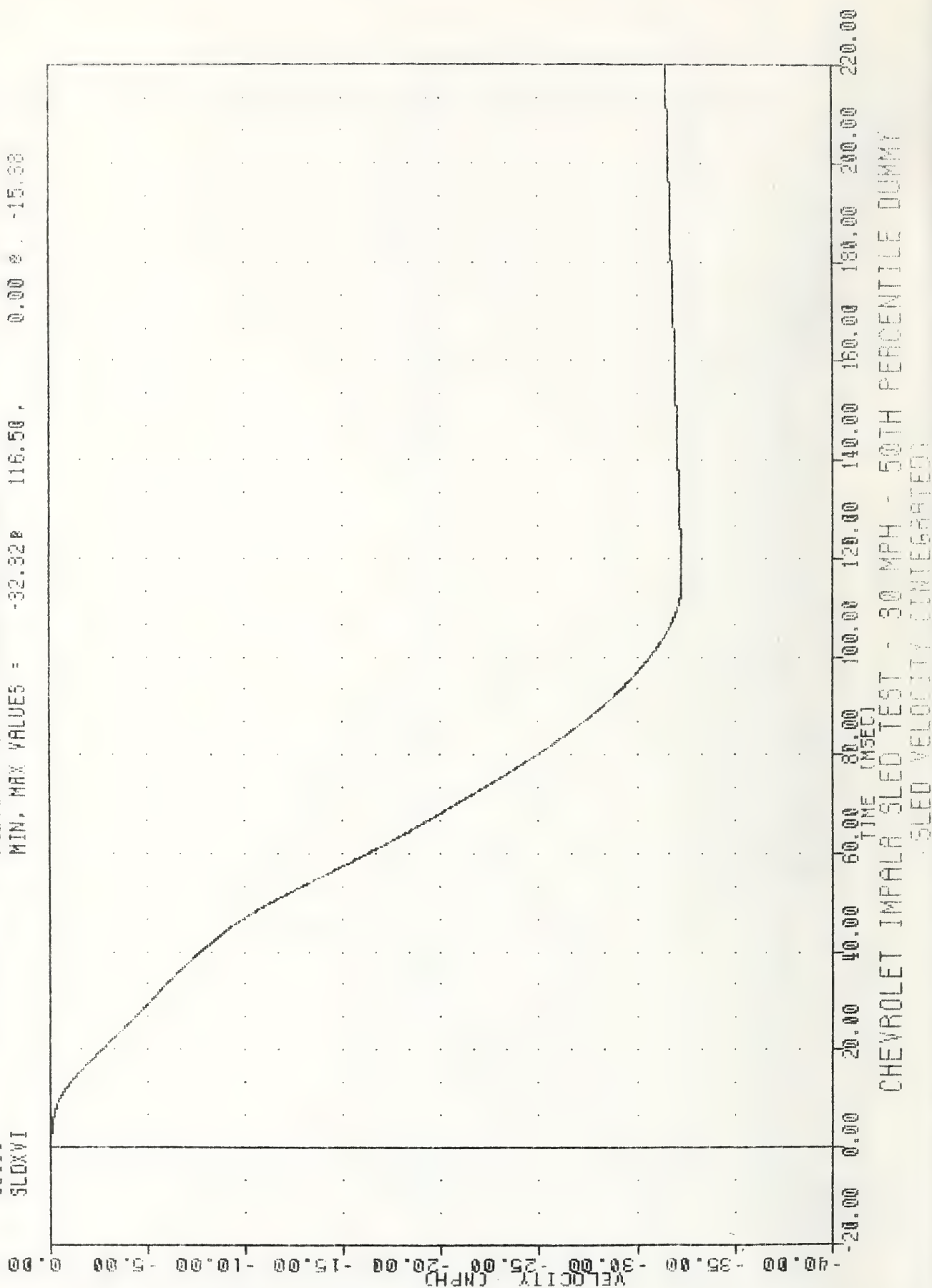
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC R0384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 SLOXVI

PLOT DATE 7-JUN-85 08:02:34

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -32.32 116.50 0.00 0.00 -15.38



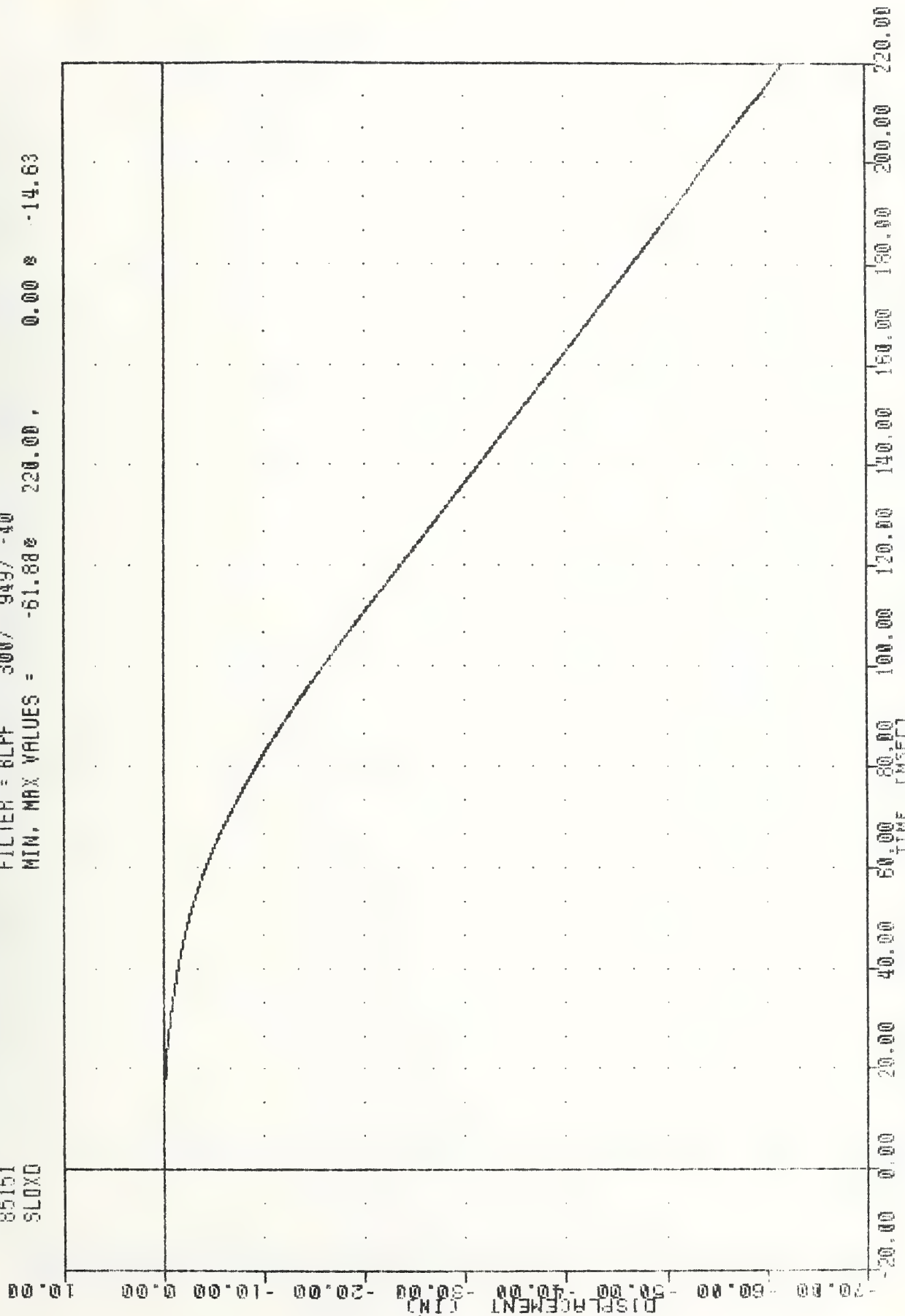
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 SLED VELOCITY (INTEGRATED)

VRTC , R0384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 SLOXD

PLOT DATE 7-JUN-85 09:02:34

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -61.88e 220.00, 0.00 e -14.63



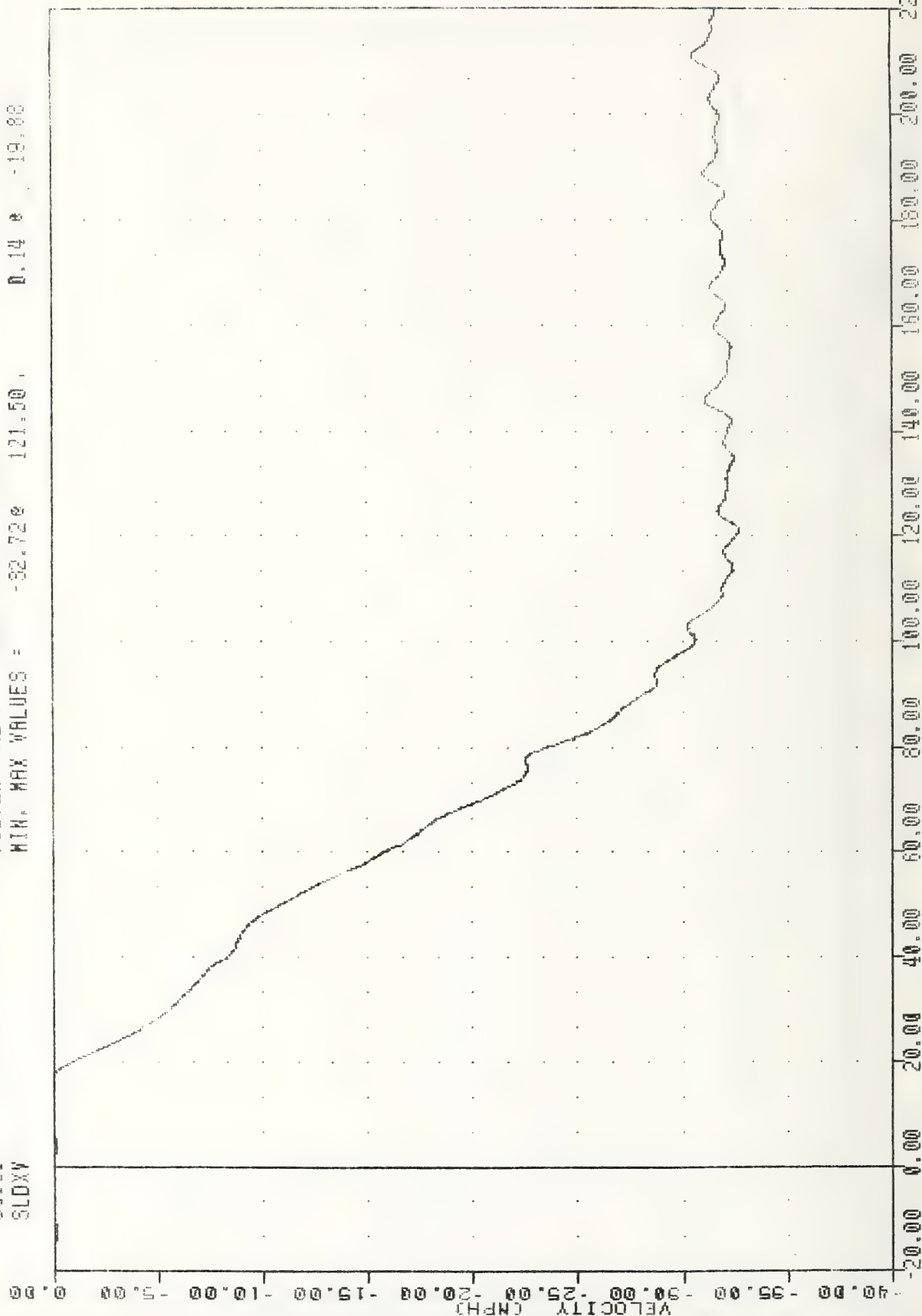
CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING SLOWVI

VRIC RD384-4-43
BREED RIBBAG SLED PROGRAM
65151
SLOXY

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 100/ 315/ -40

MIN. MAX VALUES = -82.72 121.50 0.14 0 -19.88



CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (MPH)

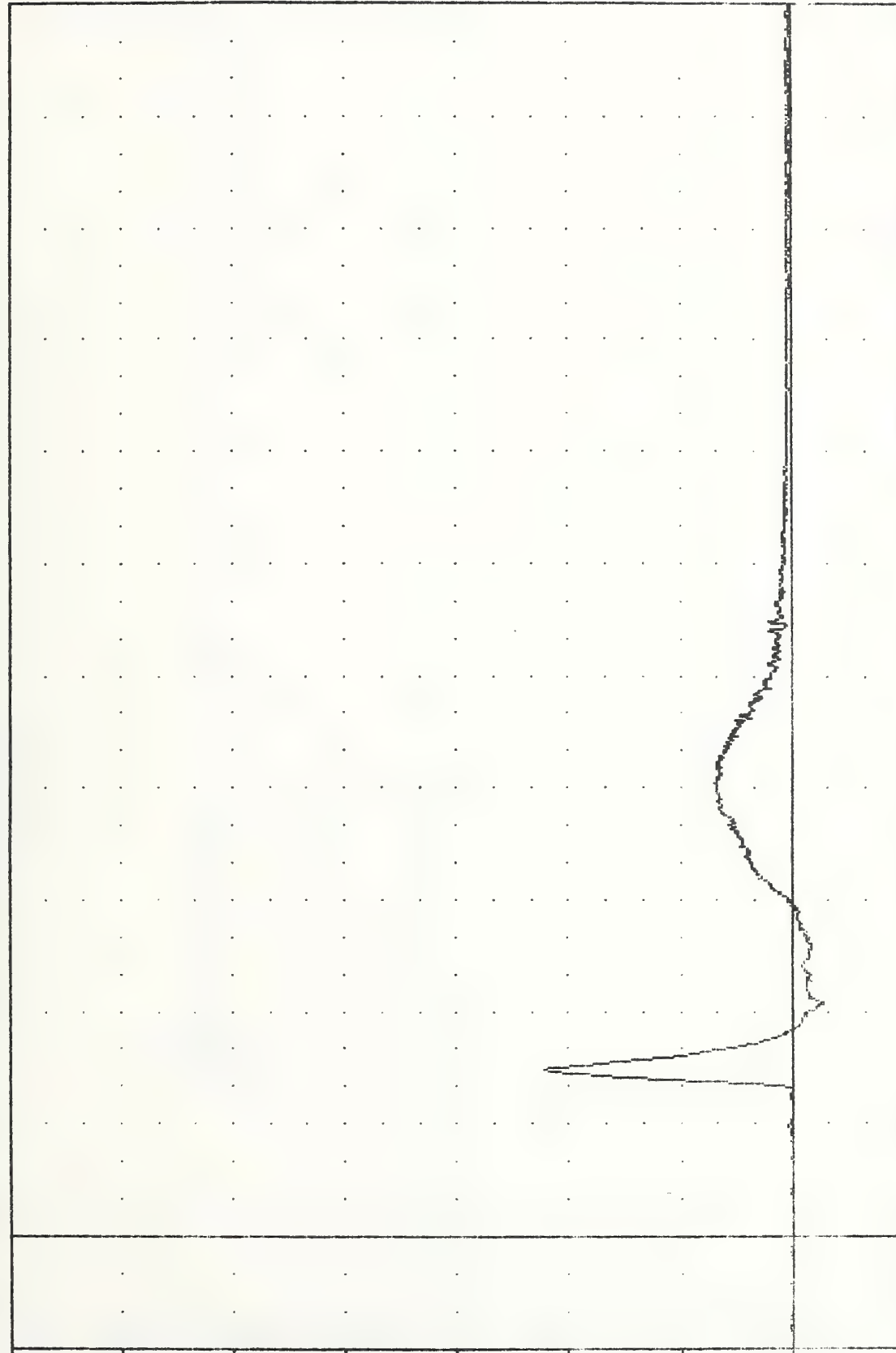
VRTC
BREED AIRBAG SLED PROGRAM
85151
ABTP

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.838 41.50 , 22.15 29.63

70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
-10.00
PRESSURE (PSIG)



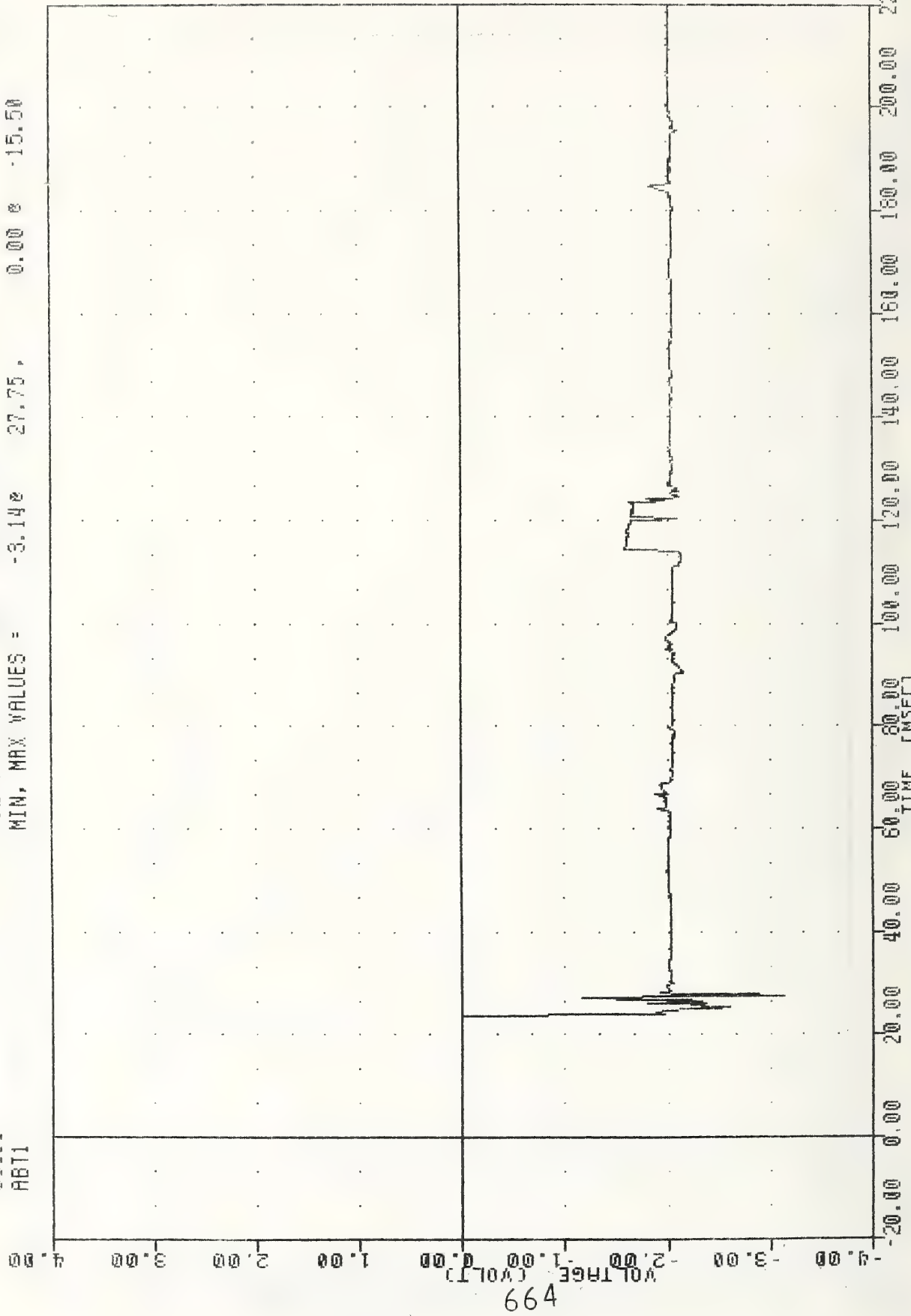
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
AIRBAG PRESSURE

VRTC , RD384-4-43
BRAED AIRBAG SLED PROGRAM
85151
ABT1

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.14e 27.75, 0.00 e -15.50



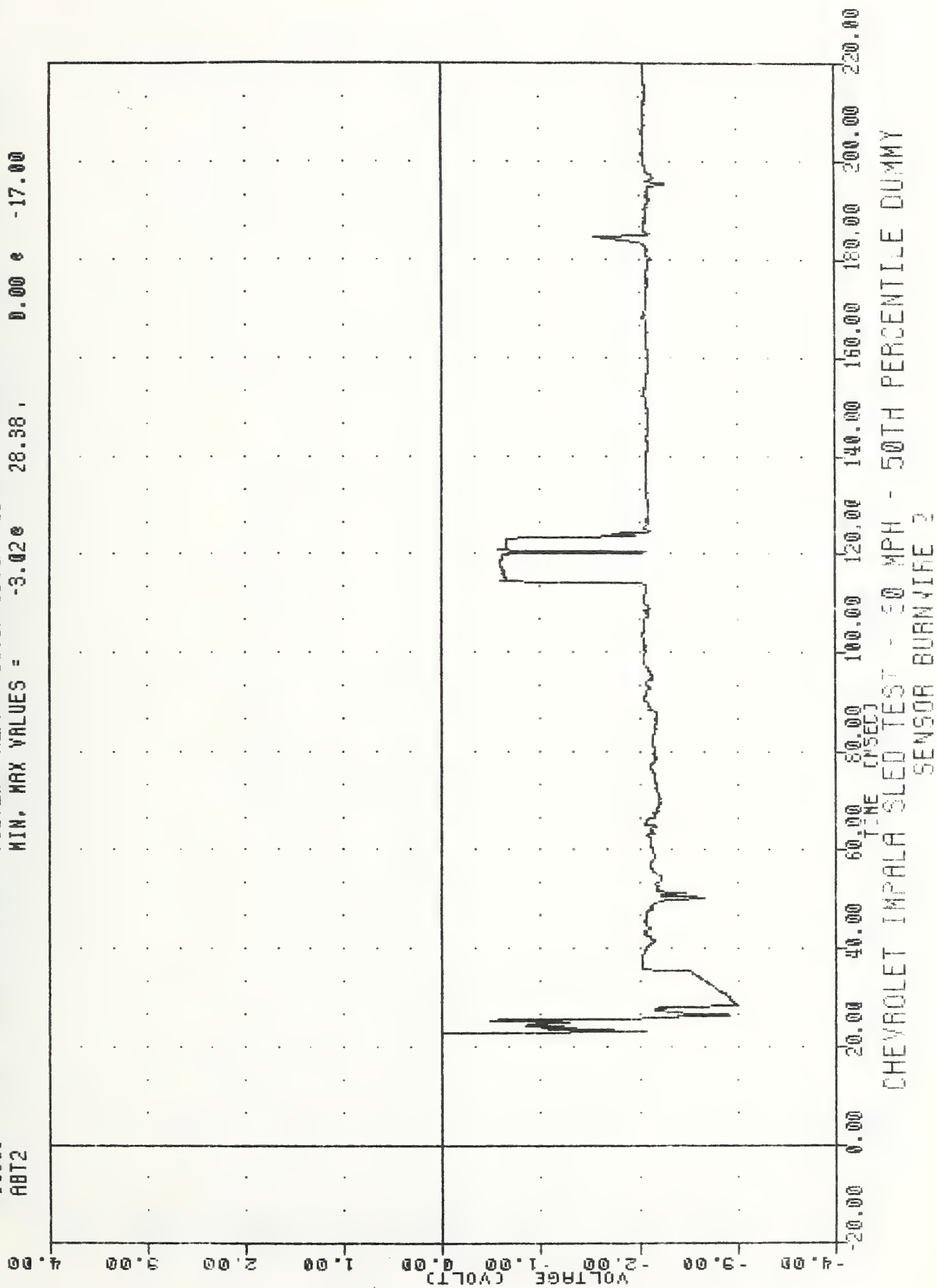
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 1

WRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
ABT2

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.02e 28.38 , 0.00 e -17.00

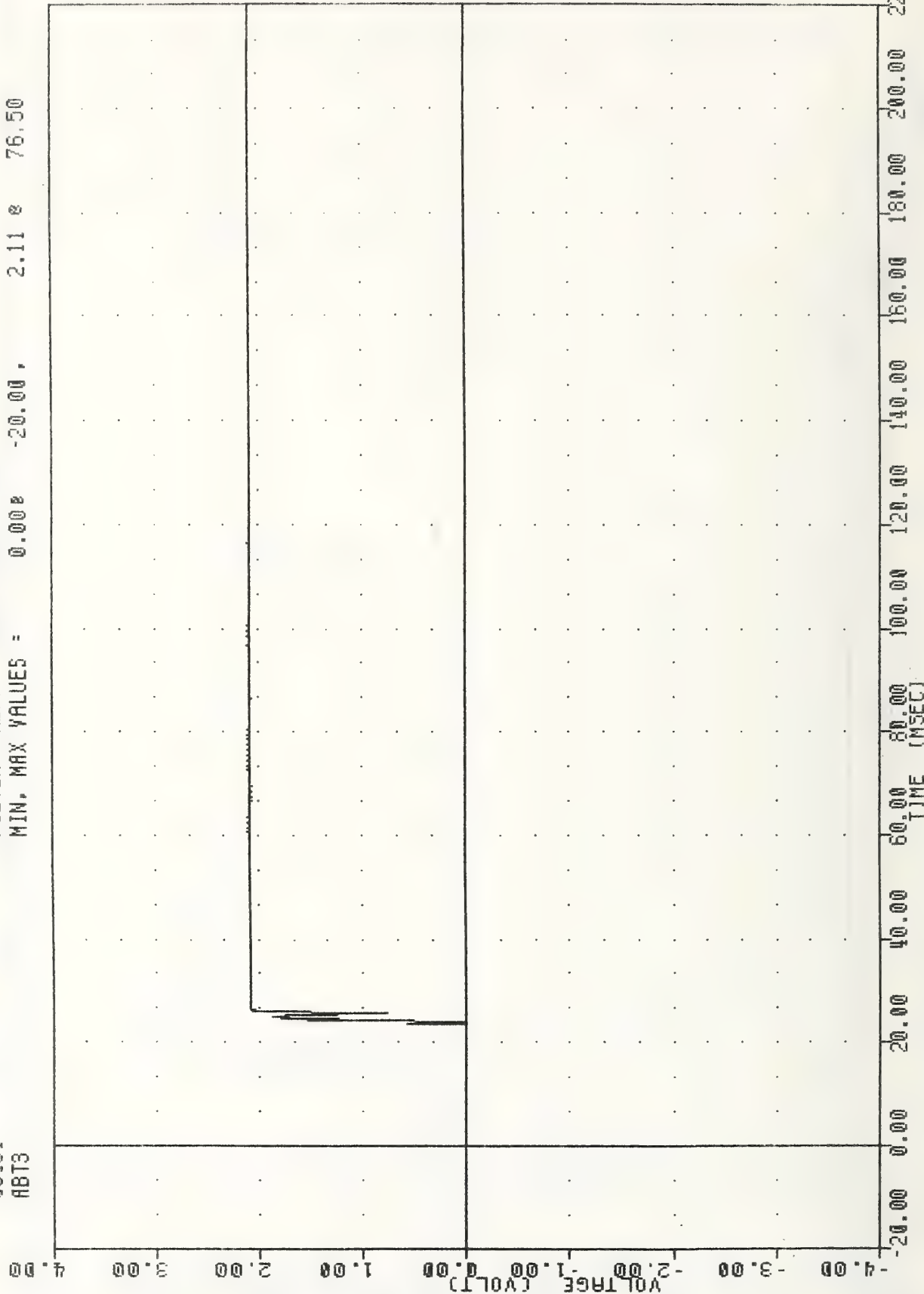


VRTC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 ABT3

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.00e -20.00, 2.11 e 76.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 BREED B-PILLAR SENSOR

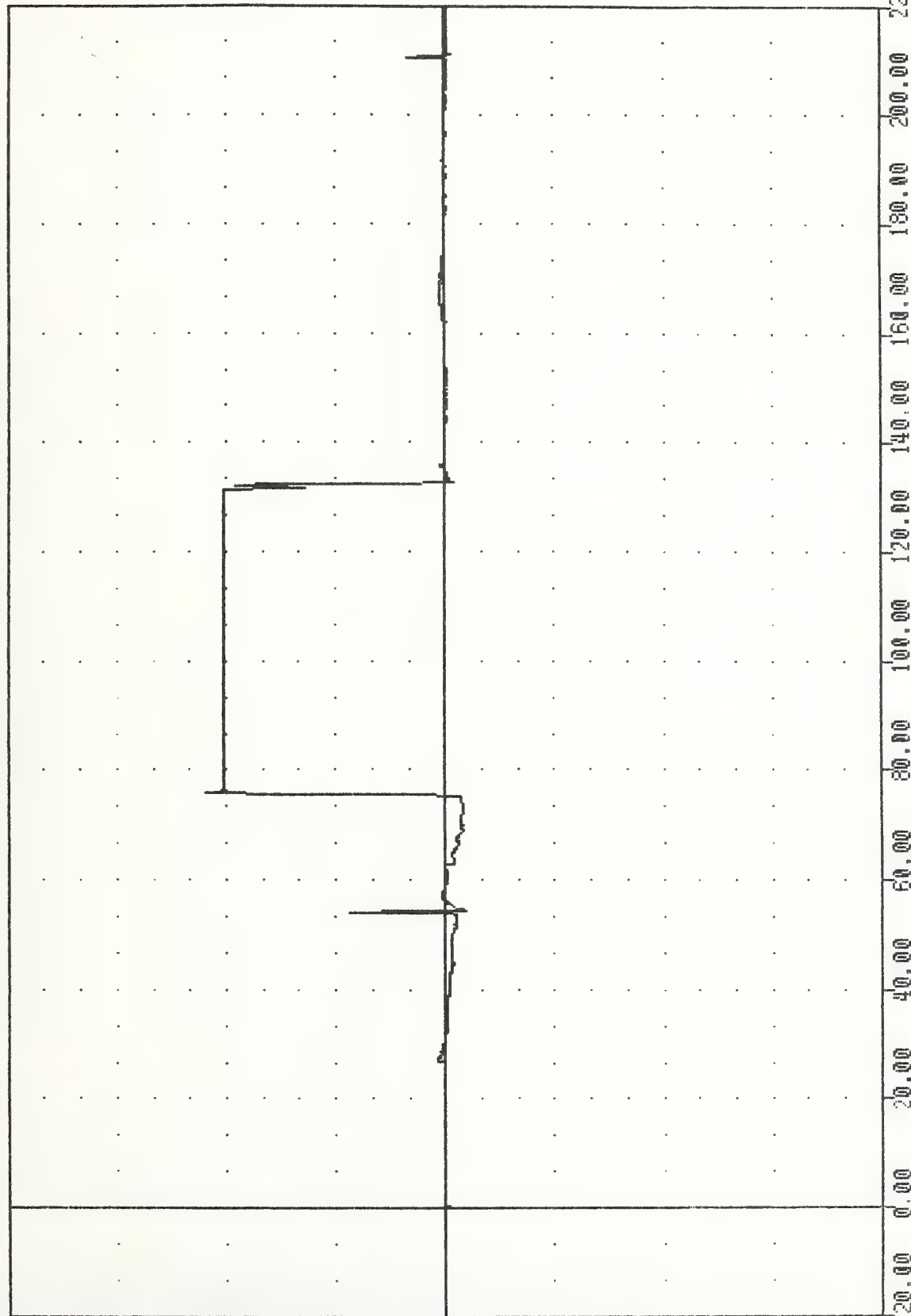
VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
ABT4

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.19e 54.50, 2.19 e 75.88

VOLTAGE (VOLT)

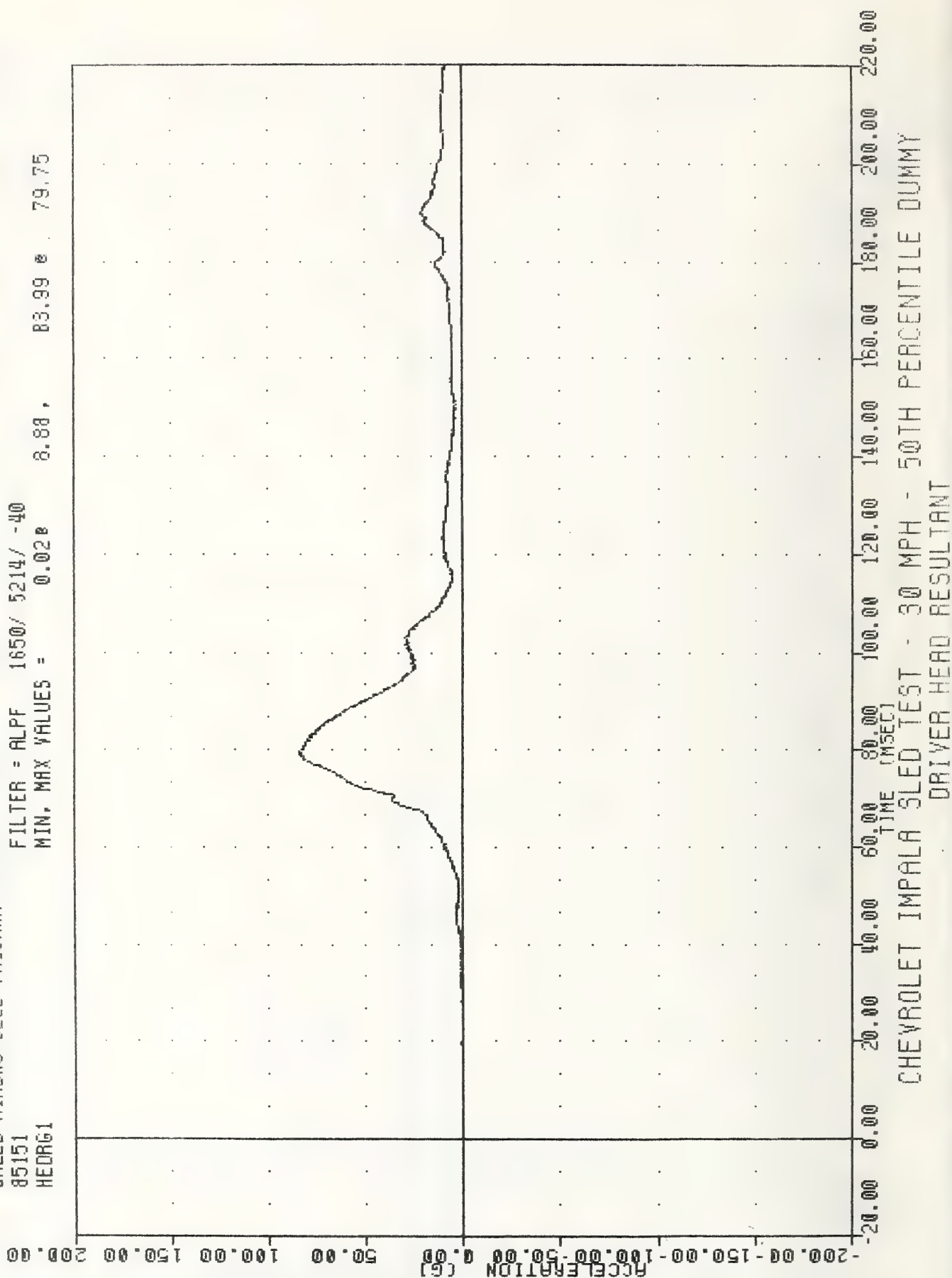


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
HEADG1

PLOT DATE 7-JUN-85 09:00:55

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = 0.028 8.88 , 83.99 8 79.75



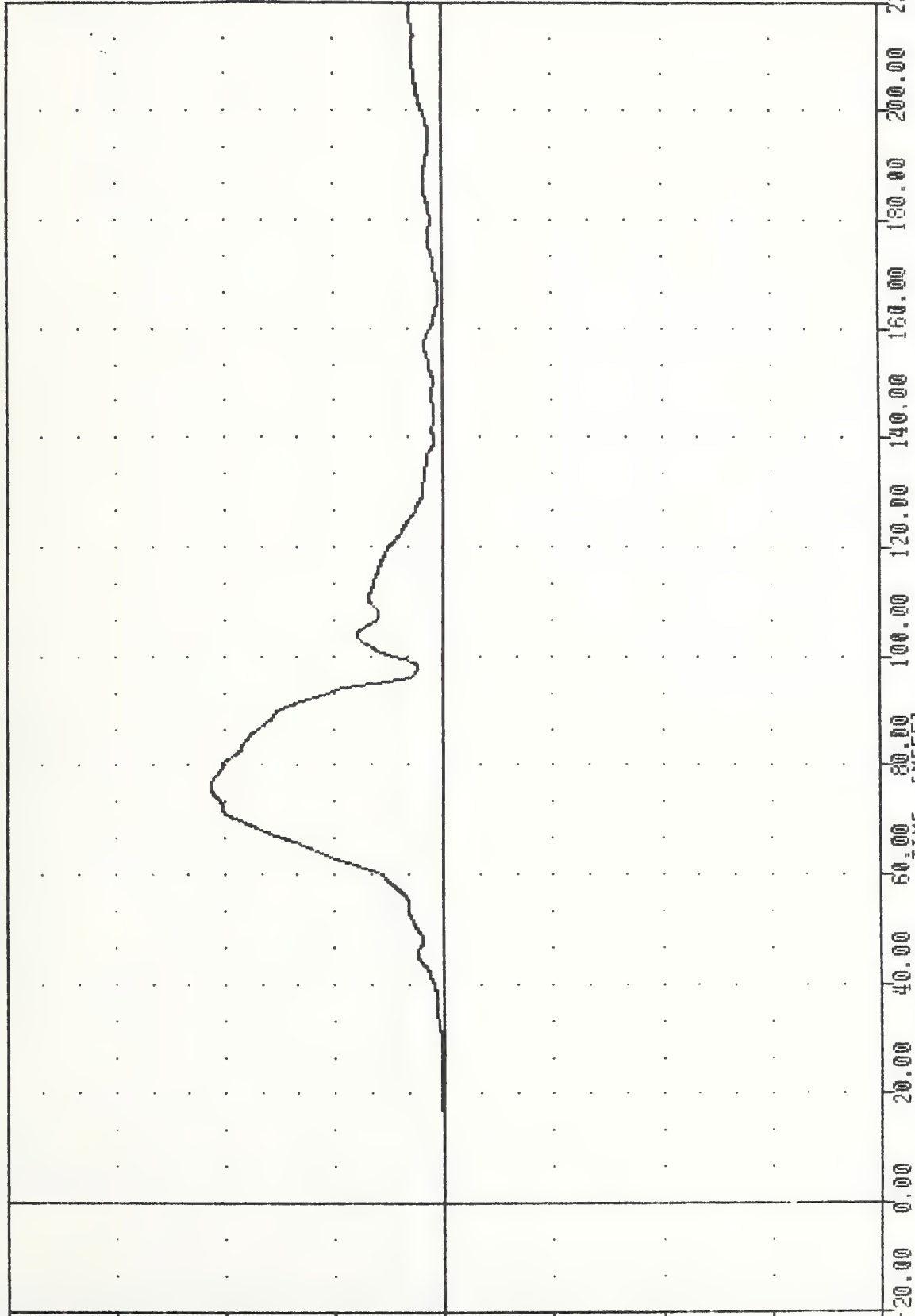
VRTC , RD384-4-13
BREED AIRBAG SLED PROGRAM
85151
CSTRG1

PLOT DATE 7-JUN-85 09:00:55

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.03e -15.38 , 53.07 e 76.50

ACCELERATION [G]



669

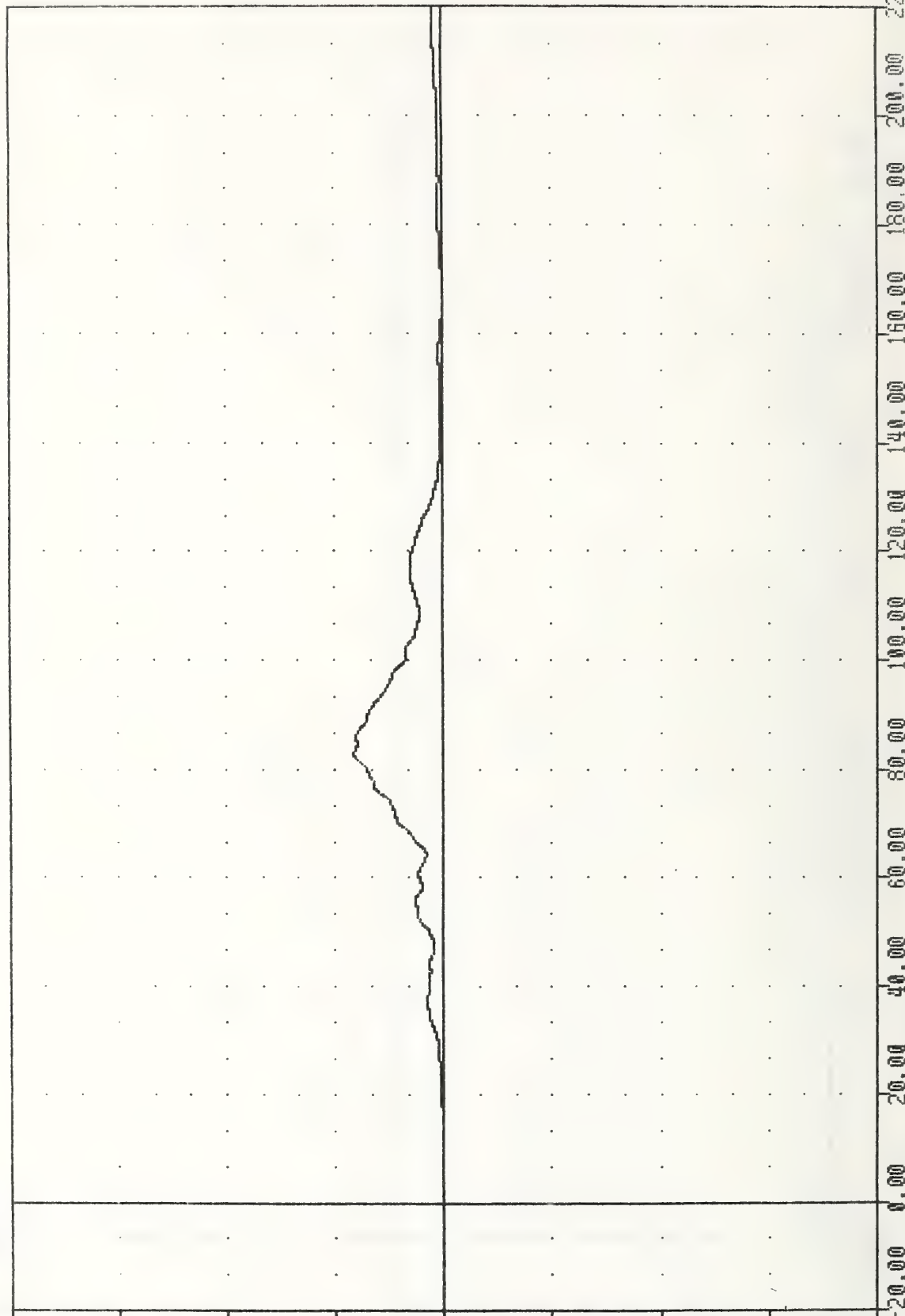
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

WATC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
PEVR61

PLOT DATE 7-JUN-85 09:00:55

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = 0.06e -8.50 , 41.37 e 82.88

ACCELERATION (G)
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

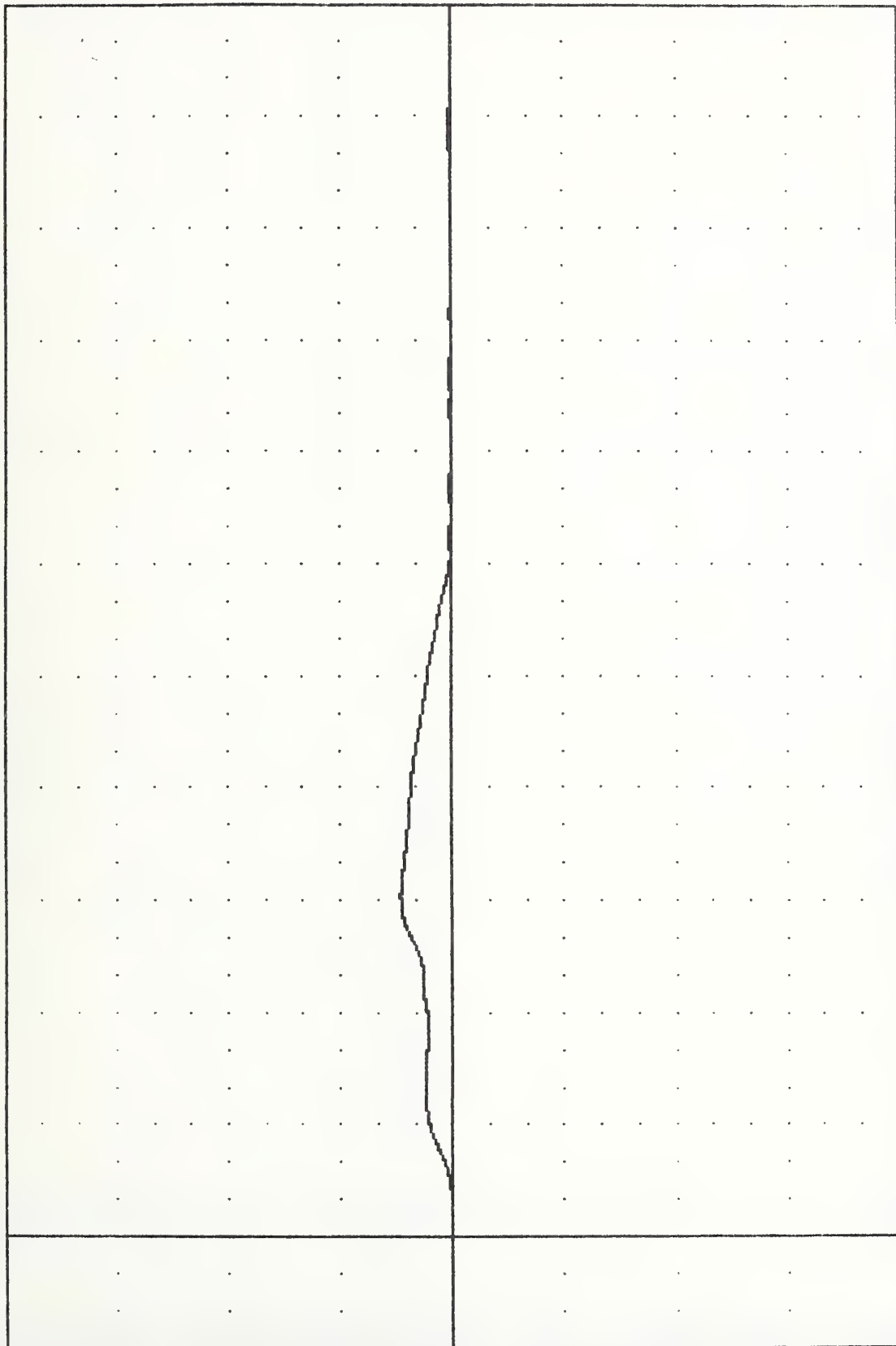
VRTC , RD384-4-43
BREED AIRBRG SLED PROGRAM
85151
LPBRG

PLOT DATE 7-JUN-85 09:00:55

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.078 -6.75, 23.08 60.63

ACCELERATION (G)



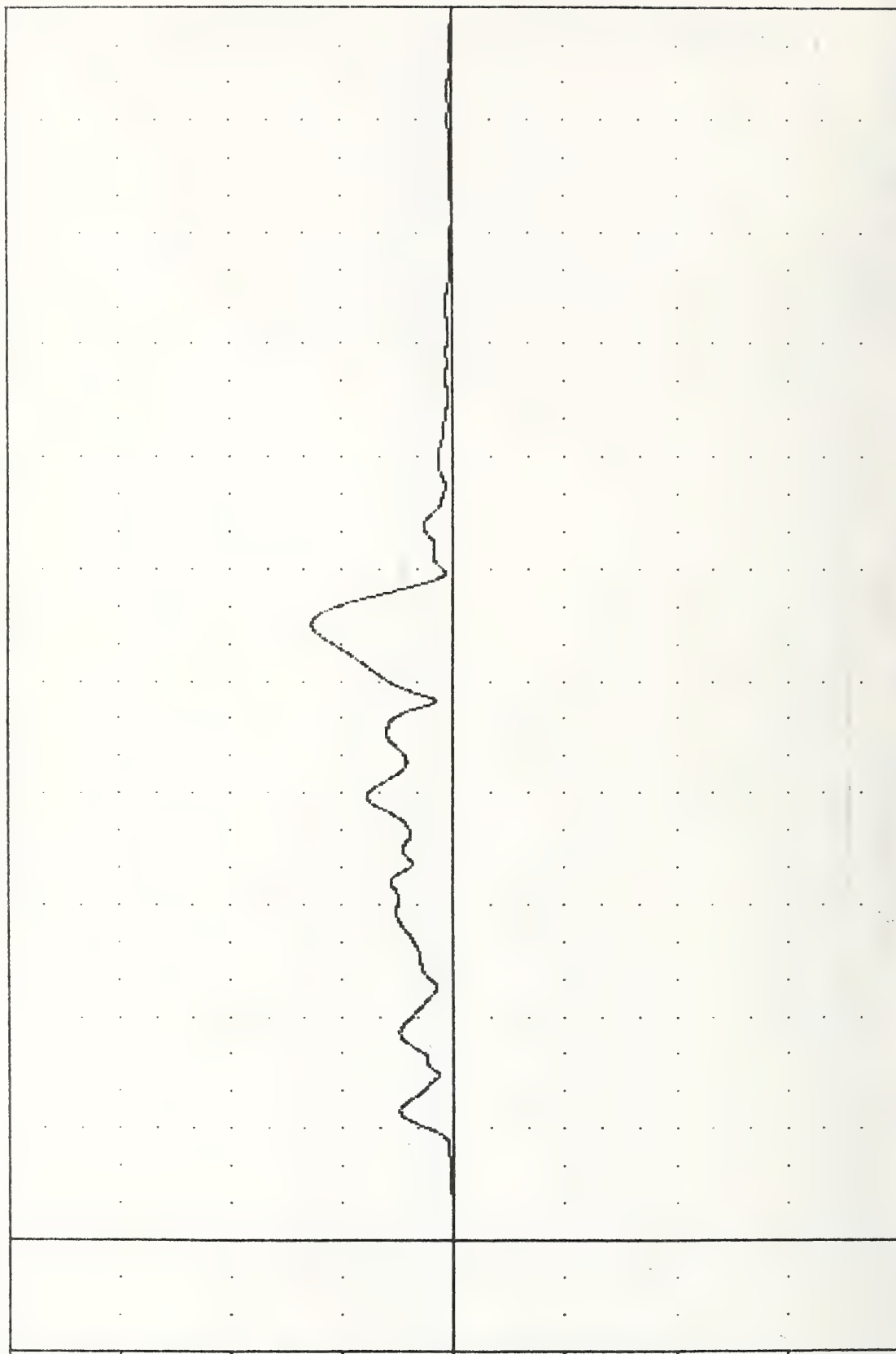
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VRTC , R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
STRG

PLOT DATE: 7-JUN-85 09:00:55

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.11% -11.25, 63.48%, 110.13

ACCELERATION (G)



-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

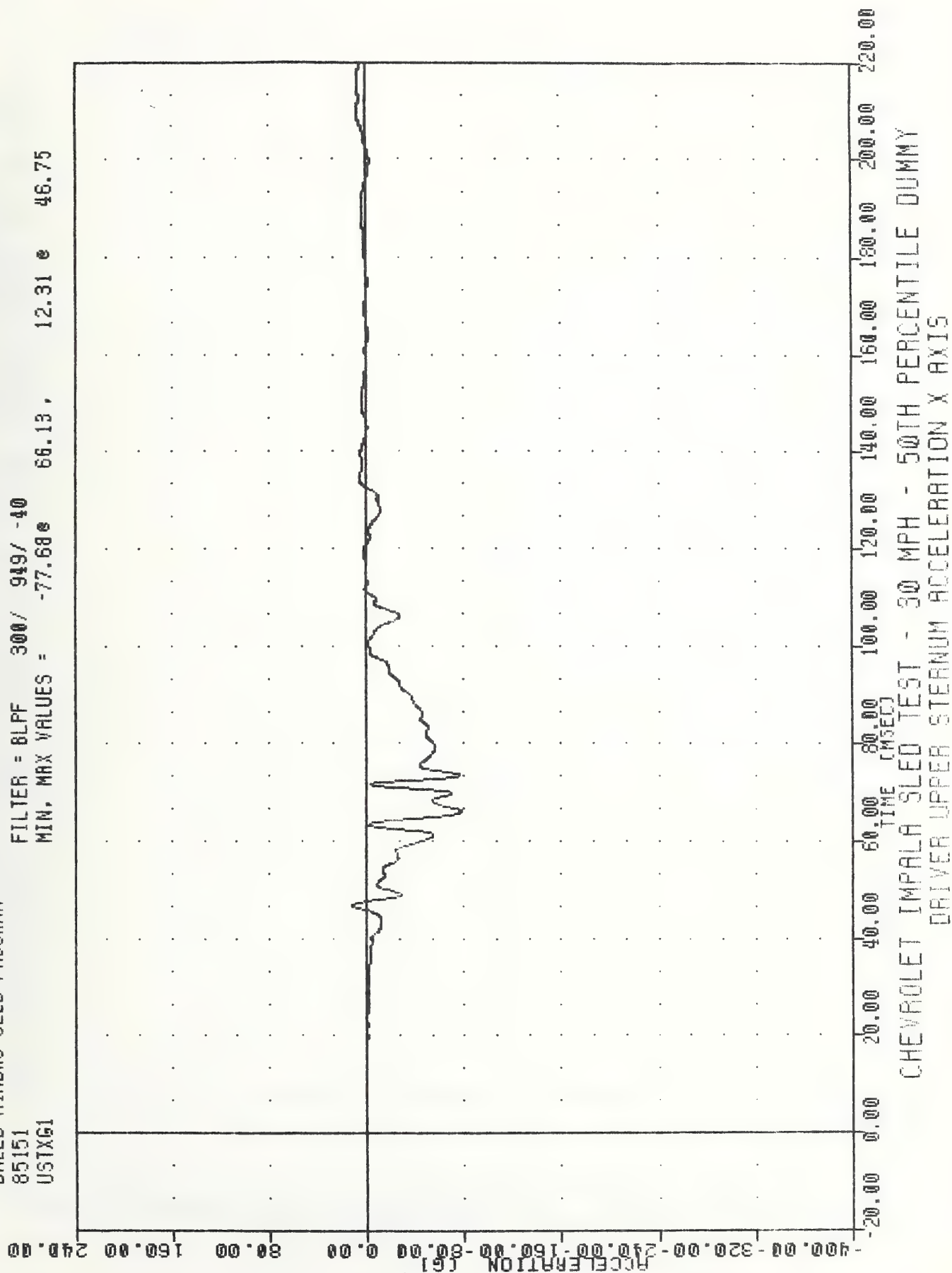
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
USTXG1

PLOT DATE 7-JUN-85 08:59:35

FILTER = 8LPF 300/ 949/ -40

MIN. MAX VALUES = -77.68e 66.13 , 12.31 e 46.75



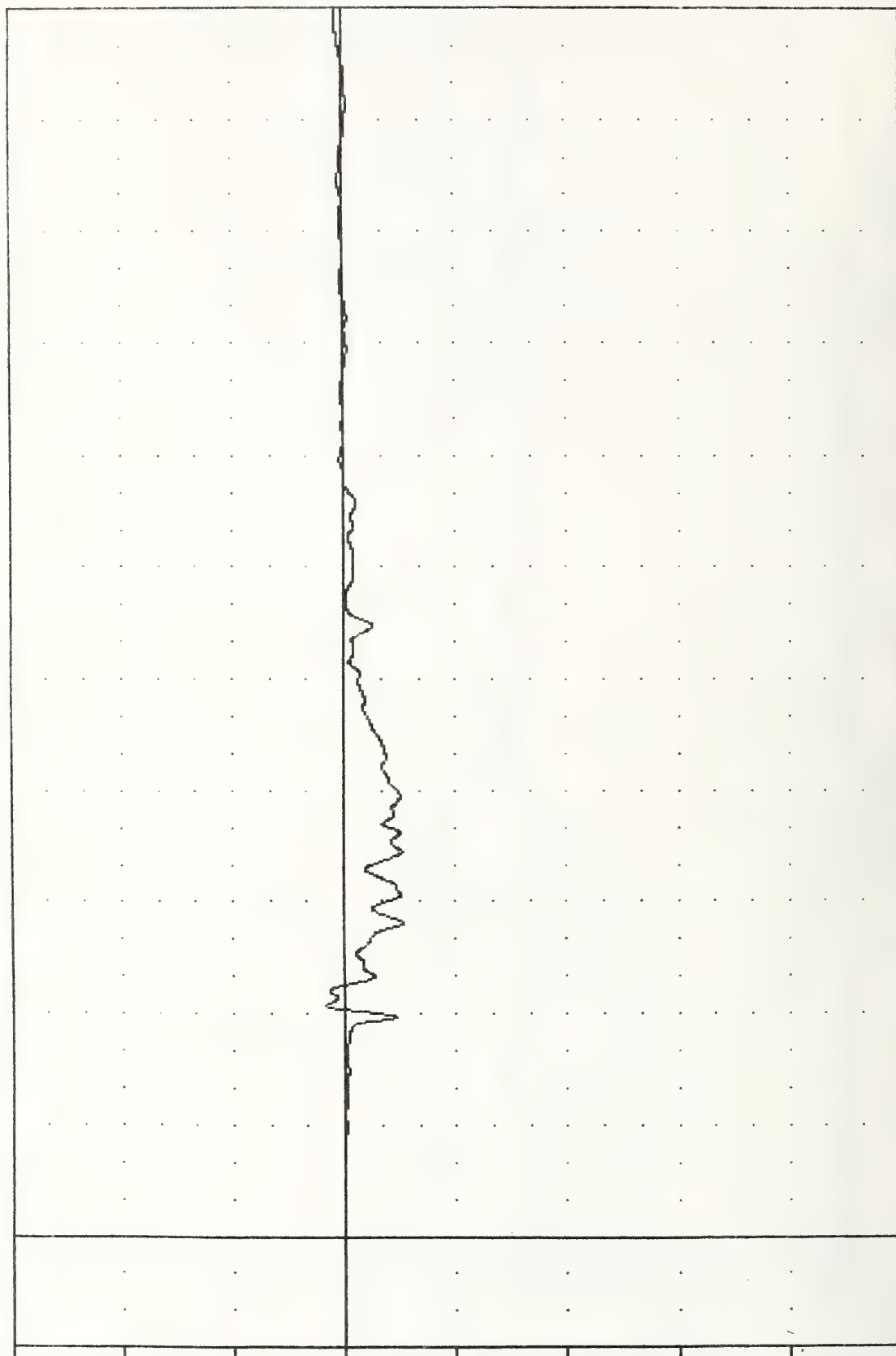
VRAC
BREED AIR80 SLED PROGRAM
85151
LSTX61

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -42.050 56.25 13.51 41.50

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85151
SHBF1

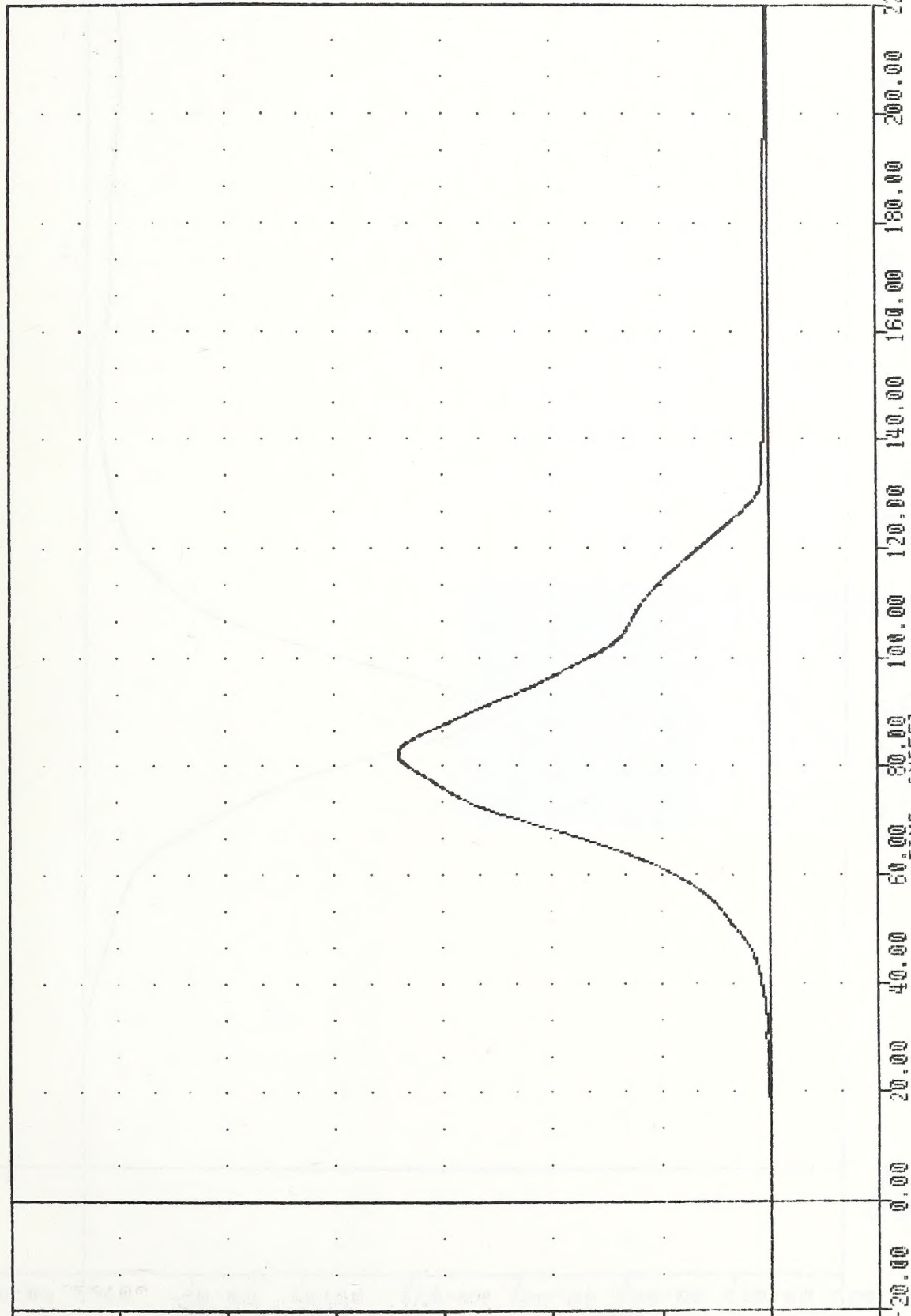
PLOT DATE 7-JUN-85 08:59:35

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -0.17e -15.00, 1366.47 e 82.25

FORCE (LB)
X10³

675



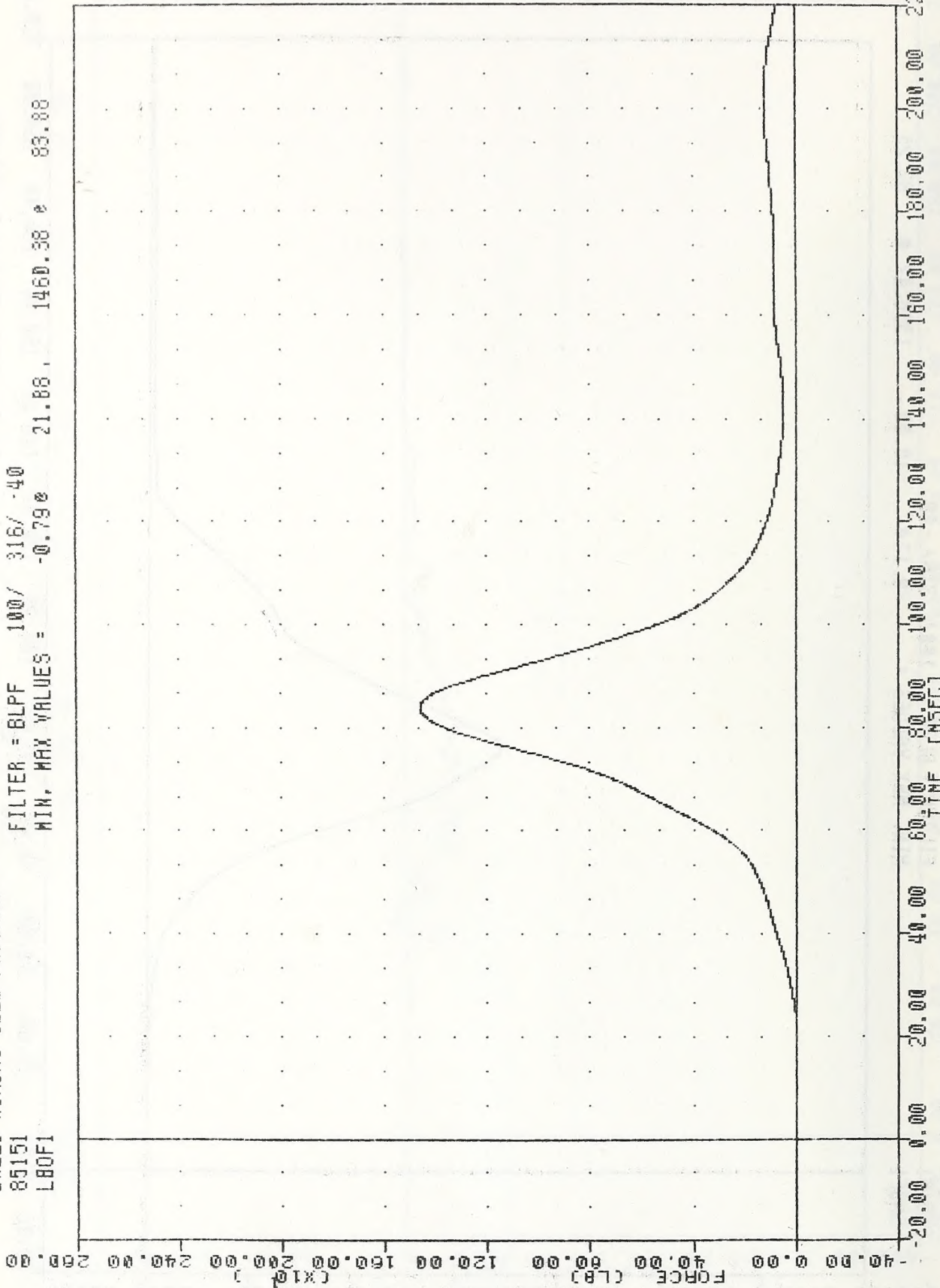
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER SHOULDER BELT FORCE LBS

VRIC RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
LB0F1

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.79e 21.88, 1460.38 e 83.88



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LAP BELT FORCE LBS

TL 242 "E875

E888"

Breed air bag
program

Form DOT F 1720.2
FORMERLY FORM DOT F

DOT LIBRARY



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